Directory

of the

Bureau of Entomology and Plant Quarantine

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Bureau of Entomology and Plant Quarantine

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This directory is issued for the information of anyone interested in the activities of the Bureau of Entomology and Plant Quarantine. It gives a brief statement of the functions of the Bureau and its several divisions, with the names and addresses of the administrative leaders. A list of laboratories, offices, and field headquarters is arranged alphabetically by States and, in addition to the name of the man in charge and the address, a brief statement is given of the work conducted in each case. A personnel index and a division index will be found on the last pages of the directory.

DIRECTORY OF THE BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

ORGANIZATION

LEE A. STRONG, *Chief*

S. A. ROHWER, *Assistant Chief* A. S. HOYT, *Assistant Chief*

P. N. ANNAND, *Assistant Chief*

J. C. HOLTON, *Agent, Cooperative Field Relations*

Business administration.—F. H. SPENCER, business manager; B. CONNOR, assistant business manager.
Editorial office.—ROLLA P. CURRIE, entomologist, in charge.
Library.—MABEL COLCORD, associate librarian, in charge.
Insect pest survey and information.—J. A. HYSLOP, principal entomologist, in charge.
Fruit insect investigations.—D. L. VAN DINE, principal entomologist, in charge.
Fruitfly investigations.—A. C. BAKER, principal entomologist, in charge.
Mexican fruitfly control.—P. A. HOIDALE, principal plant quarantine inspector, in charge.
Japanese beetle control.—E. G. BREWER, principal administrative officer, in charge.
Forest insect investigations.—F. C. CRAIGHEAD, principal entomologist, in charge.
Gypsy and brown-tail moth control.—A. F. BURGESS, principal entomologist, in charge.
Plant disease control.—S. B. FRACKER, principal plant quarantine administrator, in charge.
Cereal and forage insect investigations.—C. M. PACKARD, principal entomologist, in charge.
Truck crop and garden insect investigations.—W. H. WHITE, principal entomologist, in charge.
Cotton insect investigations.—R. W. HARNED, principal entomologist, in charge.
Pink bollworm and thurberia weevil control.—R. E. MCDONALD, principal administrative officer, in charge.
Bee culture.—J. I. HAMBLETON, principal apiculturist, in charge.

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Insects affecting man and animals.—F. C. BISHOPP, principal entomologist, in charge.
Insect identification.—C. F. W. MUESEBECK, principal entomologist, in charge.
Foreign parasite introduction.—C. P. CLAUSEN, principal entomologist, in charge.
Control investigations.—L. A. HAWKINS, principal physiologist, in charge.
Insecticide investigations.—R. C. ROARK, principal chemist, in charge.
Foreign plant quarantines.—E. R. SASSCER, principal entomologist, in charge.
Domestic plant quarantines.—B. M. GADDIS, principal plant quarantine administrator, in charge.

FIELD OF WORK

The Bureau of Entomology and Plant Quarantine is concerned with investigations on insects and their economic relations; the development and application of methods for their eradication or control; the carrying out, in cooperation with the States, of necessary work to prevent the spread and to control or eradicate insect pests and plant diseases that have gained more or less limited foothold in the United States; and the utilization of those species that are beneficial. These activities include investigations on and direction of control campaigns against the species injurious to agriculture and forestry; investigations on the species affecting the health of man and animals, or infesting human habitations or injurious to industries; the culture and use of honeybees and beekeeping practices; investigations on the natural enemies of insects and plant pests and the possibility of using these as aids for control; the taxonomy, anatomy, physiology, and responses of insects; chemical and other problems relating to the composition, action, and application of insecticides; and the development of methods of manufacturing insecticides and materials used with them.

To aid in carrying out these assignments and to protect agriculture from plant pests and diseases, the Bureau is responsible for the enforcement of the following acts and restrictive orders promulgated thereunder: The Plant Quarantine Act of 1912, as amended; the Insect Pest Act of 1905; the act of 1922 governing the importation of adult honeybees; the act providing for the Mexican border inspection and control service; the act providing for export certification to meet sanitary requirements of foreign countries for plants and plant products; the act for the control of incipient or emergency outbreaks of insect pests or plant diseases; the Terminal Inspection Act of 1915 (in cooperation with the Post Office Department).

LEE A. STRONG, Chief of Bureau, Room 5865, South Building, United States Department of Agriculture, Washington, D. C. Telephone, Republic 4142, extensions 2745 and 2746.

S. A. ROHWER, Assistant Chief of Bureau, Room 5853, South Building. Telephone, Republic 4142, extensions 2977 and 2986.

A. S. HOYT, Assistant Chief of Bureau, Room 5853, South Building. Telephone, Republic 4142, extensions 4491 and 2983.

P. N. ANNAND, Assistant Chief of Bureau, Room 5866, South Building. Telephone, Republic 4142, extension 4328.

J. C. HOLTON, Agent in Charge of Cooperative Field Relations, Insurance Exchange Building, Denver, Colo. Telephone, Taber 2329.

FUNCTIONS OF DIVISIONS

For convenience of administration of its various activities, the Bureau is divided into a number of functional divisions. The names, headquarters, and activities of these follow.

BUSINESS ADMINISTRATION

Room 5845, South Building. Telephone, Republic 4142, extensions 6161 and 6162.

This Division is responsible for the business operations of the Bureau. These activities include recording and auditing expenditures; the appointment of employees and recording of all personnel transactions; the purchase of property, supplies, and equipment, and the maintenance of property records; the handling of claims for personal injury or damage to private or Government property; the preparation of leases; the maintenance of files and handling of mail; and the preparation of the budget of estimates of expenditures. The work is divided into the following main units: Accounts, audits, personnel, property and supplies, mail and files, claims and leases, and budget. F. H. SPENCER, business manager, in charge; B. CONNOR, assistant business manager.

EDITORIAL OFFICE

Room 6338, South Building. Telephone, Republic 4142, extension 4302.

The editorial office is responsible for the editorial review and editing of scientific, technical, semitechnical, and popular manuscripts submitted for publication by the Department or other agencies. It issues all requests for printing, and arranges for the publication of manuscripts published by the Department. ROLLA P. CURRIE, entomologist, in charge; J. P. SCHUMACHER, first assistant.

LIBRARY

Rooms 1417–1431, South Building. Telephone, Republic 4142, extensions 5466 and 2815.

The functions of the library unit are to maintain an extensive collection of books on all phases of entomology; to preserve and index special record material such as the extensive collection of photographs of entomologists; to prepare indexes of entomological literature and bibliographies on special subjects; and to do other work related to publications on entomology. To aid the workers it issues, under the title "Entomology Current Literature," a bimonthly list of the principal accessions to the library. MABEL COLCORD, associate librarian, in charge; INA L. HAWES, first assistant.

INSECT PEST SURVEY AND INFORMATION

Room 6840, South Building. Telephone, Republic 4142, extensions 2991 and 2992.

This Division keeps a file of records on insect pests, noting seasonal abundance, distribution, and damage, and issues a monthly bulletin and an annual summary on insect conditions. It handles routine inquiries on insect pests and regulatory matters which can be largely answered by sending publications. It edits notices of plant quarantines and restrictive orders, Service and Regulatory Announcements of the Bureau, and the Bureau News Letter. It issues all requests for duplicating and photographic work, and maintains the mailing lists of the Bureau. The office has general charge of illustrations and exhibits and of the distribution of entomological and regulatory information. J. A. HYSLOP, principal entomologist, in charge; R. C. ALTHOUSE, first assistant.

FRUIT INSECT INVESTIGATIONS

Room 5334, South Building. Telephone, Republic 4142, extension 2987.

The functions of this Division are concerned with investigations on and the development of control measures for insects, including Japanese and Asiatic beetles, affecting fruits, fruit trees, nuts, grapes, and certain small fruits, such as blueberries and cranberries. Headquarters for these investigations are in Washington, but practically all of the operations are carried on at field laboratories maintained in the principal fruit- and nut-growing regions of the country. This Division also has the responsibility for the program of eradication of the pear psylla in the Pacific Northwest. D. L. VAN DINE, principal entomologist, in charge; B. A. PORTER, first assistant.

MEXICAN FRUITFLY CONTROL

503 Rio Grande National Life Building, Harlingen, Tex. Telephone, 592.

To prevent reinfestation by the Mexican fruitfly in the lower Rio Grande Valley in Texas and to perpetuate and maintain the eradication results which have already been effected, involving the maintenance of a host-free period during the summer months; inspection of citrus groves and certification of fruits leaving the quarantined area; and the enforcement of other regulatory measures necessary to eradicate this pest in the United States. P. A. HOIDALE, principal plant quarantine inspector, in charge; N. O. BERRY, first assistant.

JAPANESE BEETLE CONTROL

Glenwood Avenue and Henry Street, Bloomfield, N. J. Telephone, Bloomfield 24–900.

This Division is concerned with quarantine and control activities designed to prevent the spread of the Japanese beetle, and the enforcement of Federal and/or State quarantines on the brown-tail and gypsy moths, European corn borer, and the eradication of the Dutch elm disease. The activities are carried on in cooperation with the States concerned and involve the application of control measures in cases of isolated infestations of the Japanese beetle, removal and destruction of diseased trees, the inspection and certification of products regulated by the various quarantines, supervision of nurseries and greenhouses, and the maintenance of road patrols on the border of regulated zones to prevent the movement of uncertified quarantined articles. E. G. BREWER, principal administrative officer, in charge; WM. MIDDLETON, first assistant.

FRUITFLY INVESTIGATIONS

Calzada, Mexico-Tacuba 295, Colonia Anahuac, Mexico, D. F. Telephone, Ericsson 63277.

The functions of this Division are concerned with investigations on the biology and methods of controlling certain important fruitflies, to provide information that will aid in preventing them from entering the mainland of the United States, and the development of methods for their control in event they should gain entrance and become established. These studies are carried on in the regions where these flies are native or are well established. The headquarters for the investigations are at Mexico City, Mexico. Investigations are carried on in Mexico, Hawaii, Puerto Rico, and the Canal Zone. A. C. BAKER, principal entomologist, in charge; W. E. STONE, first assistant.

FOREST INSECT INVESTIGATIONS

Room 6235, South Building. Telephone, Republic 4142, extension 2832.

Investigations of the insects which injure forest, shade, and ornamental trees and shrubs and crude and finished forest products. These include leaf-eating insects, bark beetles, insects that bore into living or dead trees or logs, and also those that damage lumber and wood that has already been utilized in the construction of buildings or in manufactured articles. Special studies are being made of introduced forest pests, such as the gypsy moth, spruce sawfly, brown-tail moth, satin moth, beech scale, and the insects associated with the Dutch elm disease.

An important function of the Division is its cooperative work with such forest administrative agencies as the Forest Service, Park Service, and Bureau of Indian Affairs, to whom it acts as technical adviser in insect-control projects. F. C. CRAIGHEAD, principal entomologist, in charge; L. W. ORR, first assistant.

GYPSY AND BROWN-TAIL MOTH CONTROL

20 Sanderson Street, Greenfield, Mass. Telephone, 3648.

To exterminate the gypsy moth in the present restricted areas in Pennsylvania, New Jersey, and New York; to maintain a barrier zone throughout which an effort will be made to locate and exterminate all colonies as a means of preventing the westward spread of this insect—such zone comprising a strip of territory 20 to 30 miles wide along the western border of the New England States and the eastern border of New York from Long Island Sound to Canada. A. F. BURGESS, principal entomologist, in charge; S. S. CROSSMAN, first assistant.

PLANT DISEASE CONTROL

Room 4829, South Building. Telephone, Republic 4142, extension 4368.

In cooperation with the affected States and Federal agencies, this Division undertakes the eradication or control of plant diseases of major economic importance, such as the white pine blister rust and the black stem rust of grain. This is accomplished by surveys to determine their occurrence, by the destruction of the diseased plants or the alternate host plants to effect their eradication or control, by the improvement and development of better control measures, and by leadership, technical direction, and supervision, to coordinate the control activities of the several cooperating agencies. The essential features of this work consist of the cooperative eradication of currant and gooseberry plants to control the white pine blister rust in the important white pine forest regions of the country, and the eradication of barberry and mahonia plants in coop-

eration with 17 grain-growing States to control the black stem rust of wheat and other small grains. S. B. FRACKER, principal plant quarantine administrator, in charge; J. F. MARTIN and W. L. POPHAM, first assistants.

CEREAL AND FORAGE INSECT INVESTIGATIONS

Room 3831, South Building. Telephone, Republic 4142, extension 2990.

Investigations of the insects affecting cereal and forage crops, including sugarcane and rice, and mill insects and stored-grain pests. Also the research work on the European corn borer, grasshoppers, Mormon cricket, chinch bugs, and white-fringed beetle. The service provided by this work is distributed throughout practically all of the important corn, small-grain, and forage-producing States. C. M. PACKARD, principal entomologist, in charge; W. R. WALTON, first assistant.

TRUCK CROP AND GARDEN INSECT INVESTIGATIONS

Room 6240, South Building. Telephone, Republic 4142, extension 4791.

Investigations of the habits and development and the determination of control methods for insect pests and spider mites, millipeds, slugs, and snails, which affect vegetables, greenhouse ornamentals, bulbs, and outdoor ornamental plants (other than hardy shrubs); small fruits, such as raspberries, blackberries, loganberries, and strawberries; and also sugar beets, tobacco, and mushrooms. Investigations on the European earwig are also included in the work of this Division. W. H. WHITE, principal entomologist, in charge; W. A. SHANDS, first assistant.

COTTON INSECT INVESTIGATIONS

Room 6243, South Building. Telephone, Republic 4142, extension 2596.

This Division has charge of the research work on cotton insects. The principal insects investigated include the bollweevil, bollworm, pink bollworm, root aphids, leaf aphids, thrips, cotton leaf worm, cotton fleahopper, and other hemipterous insects of cotton. Other insects of local importance are also studied. R. W. HARNED, principal entomologist, in charge; U. C. LOFTIN, first assistant.

PINK BOLLWORM AND THURBERIA WEEVIL CONTROL

Room 565, United States Post Office and Courthouse, San Antonio, Tex. Telephone, Fannin 8721.

To prevent the spread of the pink bollworm of cotton and, where possible, to effect its eradication; and to prevent the

spread of the Thurberia weevil. This work involves scouting to determine the range of infestation, clean-up operations, the enforcement of quarantine restrictions on movement of articles covered, including the supervision of vacuum fumigation plants and cotton compresses, inspection of mills, gins, rolling stock, automotive equipment, and other possible carriers of these pests, and the maintenance of road stations on highways to prevent the movement of contraband material to uninfested localities. R. E. McDonald, principal administrative officer, in charge; L. F. Curl, first assistant.

BEE CULTURE

Beltsville, Md. Telephone, Warfield 4201.

Investigations dealing with the practical and scientific aspects of beekeeping, including the production of honey and wax, and the use of honeybees in the pollination of orchard and farm crops. J. I. Hambleton, principal apiculturist, in charge; W. J. Nolan, first assistant.

INSECTS AFFECTING MAN AND ANIMALS

Room 6343, South Building. Telephone, Republic 4142, extensions 4383 and 4384.

This Division is concerned with investigations on insects which attack man or injure him by carrying diseases, annoy him at home or afield, or destroy household supplies, fabrics, drugs, and other materials, including those held in dwellings, hotels, hospitals, commissaries, warehouses, and manufacturing establishments. It is also concerned with investigations of insect pests of farm and range animals, as well as those which attack poultry, birds, and wildlife, and with the development of methods for their control or eradication. F. C. Bishopp, principal entomologist, in charge; H. H. Stage, first assistant.

INSECT IDENTIFICATION

Room 3245, South Building. Telephone, Republic 4142, extension 4381. (Mostly located in the U. S. National Museum, National History Building.)

This Division maintains cooperative relations with the United States National Museum. Insofar as its facilities permit, this Division identifies all stages of insects that are of interest in economic entomology, performing this service for the Bureau, for other bureaus of the Department of Agriculture, for State and experiment station entomologists, and for research workers engaged on entomological problems both within the United States and throughout the world. As a part of such work, research papers on the identification and classification of differ-

ent groups of insects are prepared and published. C. F. W. MUESEBECK, principal entomologist, in charge; CARL HEINRICH, first assistant.

FOREIGN PARASITE INTRODUCTION

Room 3839, South Building. Telephone, Republic 4142, extension 2979.

The investigation of the natural enemies of insect pests in foreign countries, including collection and importation into the United States and supervision over the handling of the foreign material until released from quarantine. Also the coordination of biological control activities involving other divisions and State organizations. C. P. CLAUSEN, senior entomologist, in charge.

CONTROL INVESTIGATIONS

Room 6327, South Building. Telephone, Republic 4142, extension 4793.

The work of this Division includes fundamental investigations on the physiology of insects and the effect of insecticides and insecticidal treatments on insects, and studies on application of sterilization and disinfestation treatments to plants and plant products under quarantine regulations. L. A. HAWKINS, principal physiologist, in charge; J. F. YEAGER, JR., first assistant.

INSECTICIDE INVESTIGATIONS

Room 5827, South Building. Telephone, Republic 4142, extension 2721.

Investigations to develop better insecticides, attractants, repellents, and materials used with them, including chemical and physical problems relating to their composition, action, application, and manufacture. Especial attention is directed to the development of new insecticides, particularly those that can be used in place of lead arsenate and other poisonous materials, and the determination of the most effective chemical means of removing harmful spray residues from fruits and vegetables. R. C. ROARK, principal chemist, in charge; C. M. SMITH, first assistant.

FOREIGN PLANT QUARANTINES

Room 4839, South Building. Telephone, Republic 4142, extension 4493.

The Division of Foreign Plant Quarantines administers 32 quarantines and regulatory orders prohibiting or regulating the entry of plants and plant products from foreign countries,

Puerto Rico, and Hawaii; the rules and regulations governing the movement of plants and plant products into and out of the District of Columbia; the Insect Pest Act of 1905; and the rules and regulations governing the inspection and certification of plants and plant products offered for export to meet the sanitary requirements of foreign countries. The work involves the inspection and, when necessary, treatment of plants and plant products, vessels, railway cars, airplanes, automobiles, and other vehicles, mail packages and baggage; the field inspection of plants imported under special permit and grown under agreement; inspection of plant-introduction gardens of the Bureau of Plant Industry; inspection of fruits and vegetables in the field and at the point of shipment in Hawaii and Puerto Rico; the enforcement of the Insect Pest Act of 1905 as it pertains to the importation and interstate movement of living insect pests; and the inspection and certification of plants and plant products to meet the sanitary requirements of foreign countries. E. R. Sasscer, principal entomologist, in charge; H. S. Dean, first assistant.

DOMESTIC PLANT QUARANTINES

Room 5233, South Building. Telephone, Republic 4142, extension 4587.

The work of this Division provides for the administration of various domestic plant quarantines for which no separate units have been organized. It assists the chief in drafting domestic quarantines and is also responsible for drafting certificates and other legal forms. This Division directs the field work connected with the control and prevention of spread of the phony peach disease; the eradication of citrus canker and peach mosaic diseases; the control of the sweetpotato weevil, white-fringed beetle, Mormon cricket, grasshopper, and chinch bug; and supervises transit inspection carried on at various points throughout the United States. B. M. Gaddis, principal plant quarantine administrator, in charge; R. A. Sheals, first assistant.

LABORATORIES, OFFICES, AND FIELD HEADQUARTERS

In the following list the terms "office" and "laboratory" refer to units which report directly to the chief of the division. The terms "suboffice" and "sublaboratory" refer to units that report through an office or laboratory. The terms "district office" and "district laboratory" refer to units that report through a suboffice or sublaboratory.

ALABAMA

Decatur

Suboffice of Little Rock, Ark., office, Division of Domestic Plant Quarantines.—Room 2, Mutual Savings Life Building, Bank Street. P. O. Box 136. JAMES A. BECKHAM, agent, in charge.

Regional office for phony peach control activities.

Florala

Laboratory, Division of Cereal and Forage Insect Investigations.—706–708 West Fifth Avenue. P. O. Box 132. Telephone, 64. H. C. YOUNG, entomologist, in charge.

Investigations of the white-fringed beetle.

Suboffice of the Gulfport, Miss., office, Division of Domestic Plant Quarantines.—Huges Building. P. O. Box 187. Telephone, 64. G. F. FULKERSON, chief scientific aide, in charge.

District leader in control, eradication, and regulatory activities relating to white-fringed beetle infestation.

In cooperation with the Louisiana State Department of Agriculture, the department of agriculture and industries of the State of Alabama, and the State plant boards of Florida and Mississippi.

Mobile

Suboffice of the Gulfport, Miss., office, Division of Domestic Plant Quarantines.—Room 325, Meaher Building. P. O. Box 670. Telephone, Belmont 1708. F. R. BLACKWELL, assistant plant quarantine inspector, in charge.

District leader in control and eradication of the sweetpotato weevil.

Suboffice of the Gulfport, Miss., office, Division of Domestic Plant Quarantines.—Room 325, Meaher Building. P. O. Box 670. Telephone, Belmont 1708. H. W. WINKLER, agent, in charge.

District leader in control, eradication, and regulatory activities relating to white-fringed beetle infestation.

Office, Division of Foreign Plant Quarantines.—109 Courthouse and Customhouse. P. O. Box 1413. Telephone, Belmont, 3132. J. R. WOOD, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Monroeville

Suboffice of Gulfport, Miss., office, Division of Domestic Plant Quarantines.—American Legion Hangar, Bigger Street. P. O. Box 169. Telephone, 90. JIM S. SMITH, junior entomologist, in charge.

District leader in control, eradication, and regulatory activities relating to white-fringed beetle infestation.

ARIZONA

Coolidge

Suboffice of Phoenix, office, Division of Pink Bollworm and Thurberia Weevil Control.—P. O. Box 253. GEO. F. MCLAIN, junior plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm and Thurberia weevil in the State of Arizona.

In cooperation with the Arizona Commission of Agriculture and Horticulture.

Douglas

Office, Division of Foreign Plant Quarantines.—Room 207, United States Inspection Station. P. O. Box 943. Telephone, 583-J. B. R. ANDERSON, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Glendale

Suboffice of Phoenix, Ariz., office, Division of Pink Bollworm and Thurberia Weevil Control.—P. O. Box 262. ALFRED E. BEAVERS, field assistant, in charge.

Quarantine operations against the pink bollworm and Thurberia weevil in the State of Arizona.

In cooperation with the Arizona Commission of Agriculture and Horticulture.

Mesa

Sublaboratory of the Tucson, Ariz., laboratory, Division of Cotton Insect Investigations.—Room 3, Drew Building, P. O. Box 845. T. C. BARBER, associate entomologist, in charge.

Investigations of hemipterous insects of cotton, including life histories, host relationships, seasonal and geographical distribution, and control with insecticides.

In cooperation with the State agricultural experiment station.

Subffice of Phoenix, office, Division of Pink Bollworm and Thurberia Weevil Control.—P. O. Box 791. DENNIS H. CURRIE, agent, in charge.

Quarantine operations against the pink bollworm and Thurberia weevil in the State of Arizona.

In cooperation with the Arizona Commission of Agriculture and Horticulture.

Naco

Office, Division of Foreign Plant Quarantines.—Room 107, United States Border Station. P. O. Box 94. Telephone, Bisbee 845–R–5. W. F. MANER, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Nogales

Office, Division of Foreign Plant Quarantines.—Room 128 Federal Inspection Station. P. O. Box 688. Telephone, 276. C. E. Bellis, plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Phoenix

Suboffice of Tucson, Ariz., office, Division of Pink Bollworm and Thurberia Weevil Control.—418 Security Building. Telephone 4–4062. GEO. B. RAY, Associate Plant Quarantine Inspector, in charge.

Quarantine operations against the pink bollworm and Thurberia weevil in the State of Arizona.

In cooperation with the Arizona Commission of Agriculture and Horticulture.

Laboratory, Division of Truck Crop and Garden Insect Investigations.—North Central Avenue, Route 6. P. O. Box 708. Telephone, 90073. O. A. HILLS, assistant entomologist, in charge.

Investigations of beet leafhopper and insects affecting seed beets: O. A. HILLS, in charge.

Investigations of insects attacking lettuce: K. B. MCKINNEY, assistant entomologist, in charge.

In cooperation with the State agricultural experiment station.

Safford

Suboffice of Tucson, Ariz., office, Division of Pink Bollworm and Thurberia Weevil Control.—420 Eighth Street. P. O. Box 246. J. D. WAUGH, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm and Thurberia weevil in the State of Arizona.

In cooperation with the Arizona Commission of Agriculture and Horticulture.

Tempe

Laboratory, Division of Cereal and Forage Insect Investigations.—415 East Eighth Street. P. O. Box 187. Telephone, 36. V. L. WILDERMUTH, senior entomologist, in charge.

Studies of insects affecting alfalfa seed, especially lygaeid and pentatomid plant bugs, and seed chalcid; and studies of the factors affecting grasshopper populations.

In cooperation with the State agricultural experiment station.

Tucson

Laboratory, Division of Cotton Insect Investigations.—232 Post Office Building, Broadway and Scott Streets. P. O. Box 1910. Telephone, 1519. T. P. CASSIDY, entomologist, in charge.

Investigations of hemipterous and other insects of cotton, including life histories, host relationships, seasonal and geographical distribution, and control.

In cooperation with the State agricultural experiment station.

Office, Division of Pink Bollworm and Thurberia Weevil Control.—240 Federal Building. P. O. Box 449. Telephone, 1–960. S. D. SMITH, plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm and the Thurberia weevil in the State of Arizona.

In cooperation with the State commission of agriculture and horticulture.

Yuma

Laboratory, Division of Cereal and Forage Insect Investigations.—On George Bell Avenue, ⅛ mile south from Eighth Street, R. F. D. No. 1. WILLIAM C. MCDUFFIE, assistant entomologist, in charge.

Investigations on alfalfa weevil.

In cooperation with the State agricultural experiment station.

ARKANSAS

Hope

Sublaboratory of the Laramie, Wyo., laboratory, Division of Bee Culture.—Arkansas Fruit and Truck Branch Experiment Station, Route 3. Telephone 1–F–2. S. E. MCGREGOR, junior entomologist, in charge.

Investigations on resistance to American foulbrood with particular reference to the testing of strains of honeybees.

Little Rock

Office, Division of Domestic Plant Quarantines.—1000 Professional Building. Telephone, 5461. A. E. CAVANAGH, senior plant quarantine inspector, project leader, in charge.

Headquarters for control and prevention of spread of phony peach and peach mosaic diseases.

In cooperation with the States of Alabama, Arizona, Arkansas, California, Colorado, Georgia, Illinois, Kentucky, Louisiana, Mississippi, Missouri, New Mexico, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Utah.

Nashville

Suboffice of Little Rock, Ark., office, Division of Domestic Plant Quarantines.—P. O. Box 66. M. W. CHOATE, agent, in charge.

Supervisor of phony peach and peach mosaic inspection and tree removal activities in the State of Arkansas.

CALIFORNIA

Alhambra

Laboratory, Division of Truck Crop and Garden Insect Investigations.—1208 East Main Street. P. O. Box 287. Telephone, Atlantic 2–1056. R. E. CAMPBELL, entomologist, in charge.

Investigations of the pepper weevil and tomato insects.

Berkeley

Laboratory, Division of Forest Insect Investigations.—335 Giannini Hall, University of California. Telephone, Ashberry 7747. J. M. MILLER, senior entomologist, in charge.

Supervision of bark beetle surveys and control projects in California: studies on the biologies of forest insects; relations of climatic and other factors to the rise and decline of epidemics.

In cooperation with National Forest Service, National Park Service, Office of Indian Affairs, State forestry department, University of California, and with organizations of private owners of forest land.

Office, Division of Plant Disease Control.—Room 26, Giannini Hall, University of California. Mailing address: Room 231, Giannini Hall. Telegraph address: Room 26, Giannini Hall, University of California. Telephone, Ashberry 5252. H. R. OFFORD, pathologist, in charge.

Laboratory and field tests of chemicals to develop practical methods for eradication of wild currant and gooseberry plants.

In cooperation with the University of California.

Calexico

Office, Division of Foreign Plant Quarantines.—Room 205, United States Border Station. P. O. Box 715. Telephone, 428. O. A. PRATT, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Davis

Laboratory, Division of Bee Culture.—Room 244, Animal Science Building, Agricultural College. Telephone, 30, extension 102–J. F. E. TODD, apiculturist, in charge.

Studies of the economic aspects of the bee industry, the use of bees in the pollination of orchard and farm crops; the utilization of pollen; studies of the honey flora of California and Oregon; and chemical and physical studies of western beeswaxes.

In cooperation with the University of California and the Oregon Agricultural Experiment Station.

Eureka

Office, Division of Foreign Plant Quarantines.—833 Sixth Street. P. O. Box 486. Telephone, 797. E. MILLS, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with State Department of Agriculture.

Fresno

Laboratory, Division of Fruit Insect Investigations.—712 Elizabeth Street. Telephone, 2–8631. PEREZ SIMMONS, entomologist, in charge.

Headquarters for dried-fruit insect investigations. Studies on biology and control of insects infesting dried fruit, including the raisin moth and the dried-fruit beetle.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture, and with the California Agricultural Experiment Station, and the Dried Fruit Association of California.

Los Angeles

Office, Division of Foreign Plant Quarantines.—524 North Spring Street. Telephone, Mutual 9211, station 2072. H. J. RYAN, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with the State department of agriculture.

Office, Division of Foreign Plant Quarantines.—204 State Office Building, 217 West First Street. Telephone, Madison 1271, extension 771. C. H. VARY, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with State department of agriculture.

Modesto

Laboratory, Division of Truck Crop and Garden Insect Investigations.—425 Santa Rita Avenue. Telephone, 964. W. C. COOK, entomologist, in charge.

Sugar beet insect investigations.

Monterey

Office, Division of Foreign Plant Quarantines.—Serra Hotel. Telephone, Monterey 4186. ROBERT N. WEIR, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with the State department of agriculture.

Nice

Laboratory, Division of Insects Affecting Man and Animals.—ARTHUR W. LINDQUIST, associate entomologist, in charge.

Biology and control of Clear Lake gnat.

Oakland

Office, Division of Plant Disease Control.—No. 610 Syndicate Building, 1440 Broadway. Telephone, Highgate 6440. W. V. BENEDICT, senior forester, in charge.

Field direction and general supervision of cooperative program to establish and maintain control of the white pine blister rust disease in important white pine areas in the sugar pine region of California and Oregon by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and National Park Service, the States of California and Oregon, and with pine owners and other local agencies.

Sacramento

Laboratory, Division of Cereal and Forage Insect Investigations.—Room 476, Federal Building, Ninth and I Streets. P. O. Box 1857. Telephone, Main 3461. LUTHER G. JONES, entomologist, in charge.

Investigations on hessian fly control under conditions peculiar to California; varieties of wheat resistant to hessian fly;

the pea aphid on alfalfa; varieties of alfalfa resistant to pea aphid; and grasshoppers.

In cooperation with the Bureau of Plant Industry of the United States Department of Agriculture, and the California Agricultural Experiment Station.

Office, Division of Foreign Plant Quarantines.—State Office Building. Telephone, Capital 2800, local 429. D. B. MACKIE, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with State department of agriculture.

Salinas

Office, Division of Foreign Plant Quarantines.—Courthouse, Church and Alisal Streets. Telephone, Salinas 3000, extension 21. PETER A. KANTOR, collaborator, in charge.

Enforcement of foreign plant quarantines (without compensation). Takes care of port of Monterey.

San Bernardino

Suboffice of Little Rock, Ark., office, Division of Domestic Plant Quarantines.—1583 D Street. Telephone, 57–191. C. H. ROTHE, associate plant quarantine inspector, in charge.

Supervision of activities for the eradication of peach mosaic disease in Arizona, California, Colorado, New Mexico, Oklahoma, Texas, and Utah.

In cooperation with these States.

Laboratory, Division of Fruit Insect Investigations.—1583 D Street. Telephone, 57–191. L. D. CHRISTENSON, associate entomologist, in charge.

Survey of insects in peach orchards where the mosaic disease occurs under conditions of natural spread, and studies of possible insect vectors of peach mosaic.

In cooperation with Albuquerque, N. Mex., office of the Division of Domestic Plant Quarantines, the Bureau of Plant Industry of the United States Department of Agriculture, and the California Agricultural Experiment Station.

San Diego

Office, Division of Foreign Plant Quarantines.—Harbor Administration Building, 1040 West Broadway. P. O. Box 617. Telephone, Main 2574. P. M. HOWARD, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with State department of agriculture.

San Francisco

Office, Division of Foreign Plant Quarantines.—Room 24, Agriculture Building, Embarcadero, foot of Mission Street. Telephone, Garfield 7827. C. E. COOLEY, senior plant quarantine inspector, in charge.

Supervision of the enforcement of foreign plant quarantines and of the inspection and certification of plants and plant products for export in California, Oregon, and Washington.

Office, Division of Foreign Plant Quarantines.—Room 2, Agriculture Building, Embarcadero, foot of Mission Street. Telephone, Garfield 0513. H. M. ARMITAGE, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification in San Francisco of plants and plant products for export.

In cooperation with the State department of agriculture.

San Luis Obispo

Office, Division of Foreign Plant Quarantines.—986 Monterey Street. P. O. Box 637. Telephone, 1344. T. CHALMERS, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with the State department of agriculture.

San Pedro

Office, Division of Foreign Plant Quarantines.—128–130 Eighth Street. P. O. Box 401. Telephone, San Pedro 346. A. P. MESSENGER, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with the State department of agriculture.

San Ysidro

Office, Division of Foreign Plant Quarantines.—Room 229, Federal Building. Telephone, 2401. F. E. SWAN, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Santa Barbara

Office, Division of Foreign Plant Quarantines.—Courthouse. Telephone, 3600. E. S. KELLOG, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with State department of agriculture.

Santa Paula

Office, Division of Foreign Plant Quarantines.—County Agricultural Building, 815 Santa Barbara Street. P. O. Box 889. Telephone, 258 and 558. FRANK L. KELLOGG, collaborator, in charge.

Enforcement of foreign plant quarantines.
In cooperation with State department of agriculture.

Ventura

Office, Division of Foreign Plant Quarantines.—Room 10, Courthouse. Telephone, 3528. FRED R. LEWIS, collaborator, in charge.

Enforcement of foreign plant quarantines.
In cooperation with State department of agriculture.

Laboratory, Division of Truck Crop and Garden Insect Investigations.—P. O. Box 1330. Telephone, 5636. RODNEY CECIL, associate entomologist, in charge.

Investigations of the lima bean pod borer: RODNEY CECIL, in charge.
Investigations of wireworms: M. W. STONE, assistant entomologist, in charge.

Whittier

Office, Division of Foreign Parasite Introduction.—724 Earlham Drive. P. O. Box 70. Telephone, 432–10. CHARLES F. HENDERSON, entomologist, in charge.

Effect of artificial control practices on natural enemies. (Under special research fund.)

Laboratory, Division of Fruit Insect Investigations.—724 Earlham Drive. P. O. Box 70. Telephone, 432–10. B. L. BOYDEN, senior entomologist, in charge.

Investigations on biology and control of California red scale, the orange thrips, and black and citricola scales.
In cooperation with the California Citrus Experiment Station (Riverside), the Arizona Agricultural Experiment Station, and the Whittier District Fruit Exchange.

Laboratory, Division of Insecticide Investigations.—724 Earlham Drive. P. O. Box 70. Telephone, 432–10. ROBERT A. FULTON, chemist, in charge.

Investigations of cyanide fumigation of California red scale; studies of new fumigants for the same purpose.

CANAL ZONE

Balboa

Laboratory, Division of Fruitfly Investigations,—Building 0902 Amador Road. P. O. Drawer C. Telephone, 2485. J. ZETEK, entomologist, in charge.

Investigations on biology, host-fruit relations, and control of the Central American fruitflies.

CHILE

Santiago

Laboratory, Division of Foreign Parasite Introduction.—Care of American Consulate, Santiago. PAUL A. BERRY, assistant entomologist, in charge.

A survey of Chile and Peru, where the white-fringed beetle is known to occur, with incidental attention to other problems.

COLORADO

Denver

Office, Division of Domestic Plant Quarantines.—820 Insurance Exchange Building, 810 14th Street. Telephone, Taber 2329. CLAUDE WAKELAND, agent, in charge.

Headquarters for grasshopper control activities in 24 Central and Western States and Mormon cricket control in 12 Great Plains and Rocky Mountain States, in cooperation with State, county, and local organizations, and also for grasshopper control operations conducted under Federal supervision and with Federal funds on range, idle, and abandoned lands where emergency outbreaks of migratory species occur. These activities necessitate the maintenance of personnel and property records and the preparation of leases, pay rolls, and vouchers.

Fort Collins

Office, Division of Plant Disease Control.—Botany Building, State Agricultural College. P. O. Box 276. Telephone, 1101, Botany, 3 rings. E. A. LUNGREN, associate pathologist, in charge.

Field direction and general supervision of cooperative program to locate and destroy the common barberry in Colorado and Wyoming, to control the black stem rust of grain.

In cooperation with the State agricultural college, the State department of agriculture, and independent agricultural agencies.

Palisade

Suboffice of Little Rock, Ark., office, Division of Domestic Plant Quarantines.—P. O. Box 145. Palisade National Bank Building. Telephone, 57. MAX A. SISSON, agent, in charge.

Supervision of activities for control and eradication of peach mosaic disease in Colorado and Utah.

CONNECTICUT

Bethel

Suboffice, Division of Japanese Beetle Control.—Durant Avenue. Telephone, Danbury 1751. T. M. CANNON, chief scientific aide, in charge.

State leader in scouting for and cooperating with the State in the eradication of the Dutch elm disease.

In cooperation with the Connecticut Agricultural Experiment Station.

New Haven

Sublaboratory of Toledo, Ohio, laboratory, Division of Cereal and Forage Insect Investigations.—56 Hillhouse Avenue. Telephone, 8–2375. P. O. Box 701. C. H. BATCHELDER, associate entomologist, in charge.

Insecticide investigations in control of the European corn borer. Biological studies of the corn borer directed toward differentiation between strains. Determinations of damage and general abundance. Development of control methods for the corn ear worm.

In cooperation with the State agricultural experiment station.

Laboratory, Division of Forest Insect Investigations.—56 Hillhouse Avenue. Telephone, New Haven 8–3082. RAYMOND C. BROWN, senior entomologist, in charge.

Investigations of native and introduced insect pests of forest and shade trees and their control, including the European pine shoot moth, the beech scale, defoliating moths, larch case bearer, birch leaf-mining sawfly, European spruce sawfly, balsam bark louse, and white pine weevil.

In cooperation with the National Forest Service, Yale University, Harvard Forest at Petersham, Mass., and organizations of private owners of timberlands.

Suboffice, cooperating with Greenfield, Mass., office, Division of Gypsy Moth and Brown-tail Moth Control.—Office of State and Station Entomologist, Connecticut Agricultural Experiment Station, 123 Huntington Street. P. O. Box 1106. Telephone, 5–6191. ROGER B. FRIEND, collaborator, in charge.

State leadership in cooperative control of the gypsy moth and the brown-tail moth in Connecticut.

Office, Division of Japanese Beetle Control.—State Agricultural Experiment Station, 123 Huntington Street. P. O. Box 1106. Telephone, 5–5078. J. P. JOHNSON, agent, in charge.

Enforcement of the Japanese beetle quarantine in Fairfield and New Haven Counties, Conn., including supervision of inspection and certification, and nursery and greenhouse scouting.

Suboffice of Cambridge, Mass., office, Division of Plant Disease Control.—State Agricultural Experiment Station, 123 Huntington Street. P. O. Box 1106. Telephone, 6–3591. J. E. RILEY, JR., associate pathologist, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Connecticut by eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State forestry department, the State agricultural experiment station, and the State agricultural college, extension division.

Torrington

Suboffice of Greenfield, Mass., office, Division of Gypsy and Brown-tail Moth Control.—335 New Litchfield Street. P. O. Box 404. Telephone, 5800. H. N. BEAN, principal scientific aide, in charge.

Supervision of scouting and control work against the gypsy moth in Connecticut.

In cooperation with State of Connecticut.

Windsor

Laboratory, Division of Truck Crop and Garden Insect Investigations.—Care of Connecticut Agricultural Experiment Station. P. O. Box 824. Telephone, 746. A. W. MORRILL, JR., junior entomologist, in charge.

Investigation of insects affecting tobacco in the Connecticut River Valley.

In cooperation with the Connecticut Agricultural Experiment Station.

DELAWARE

Dover

Suboffice of Salisbury, Md., office, Division of Japanese Beetle Control.—Room 210, New Post Office Building. Telephone, 842. WILLIAM STOKES, collaborator, in charge.

Enforcement of the Japanese beetle quarantine in Delaware, including supervision of inspection and certification, and nursery and greenhouse scouting.

In cooperation with the State board of agriculture.

DISTRICT OF COLUMBIA

Washington

Office, Division of Domestic Plant Quarantines.—Room 5231, South Building, U. S. Department of Agriculture. Telephone, Republic 4142, extensions 4587 and 4588. B. M. GADDIS, principal plant quarantine administrator, in charge.

Enforcement of domestic plant quarantines; supervision of transit-inspection activities; also supervision of control and prevention of spread of phony peach disease; eradication of citrus canker and peach mosaic diseases; control of grasshoppers, Mormon crickets, sweetpotato weevil, and white-fringed beetle.

Office, Division of Domestic Plant Quarantines.—Room 5231, South Building, United States Department of Agriculture. Telephone, Republic 4142, extensions 4587 and 4588. N. H. DUNLAP, associate plant quarantine inspector, in charge.

Transit inspection of parcel post, express, and freight moving from, to, and through Washington for enforcement of domestic plant quarantines and enforcement of regulations governing movement of plants into the District of Columbia. Headquarters for transit-inspection activities in the Southern States.

Office, Division of Foreign Parasite Introduction.—Room 3839, South Building, United States Department of Agriculture. Telephone, Republic 4142, extension 2979. C. P. CLAUSEN, principal entomologist, in charge.

The investigation of natural enemies of insect pests in foreign countries and their introduction into the United States, with supervision over the foreign material until it is released from quarantine. Also the coordination of biological-control activities involving other divisions and State organizations.

Office, Division of Foreign Plant Quarantines.—224 Twelfth Street S. W. Telephone, Republic 4142, extension 2598. W. B. WOOD, entomologist, in charge.

Inspection of plant material imported by the Department and domestic plants leaving the District of Columbia.

Laboratory, Division of Identification and Classification of Insects.—Room 3245, South Building, United States Department of Agriculture. Telephone, Republic 4142, extension 4381. C. F. W. MUESEBECK, principal entomologist, in charge.

Identification of all stages of insects for this Bureau, for other bureaus of the United States Department of Agriculture, for the State and experiment station entomologists, and others. The specialists now attached to the staff and engaged full time on this work include the following: Beetles, W. H. Anderson, H. S. Barber, M. W. Blackman, L. L. Buchanan, and W. S. Fisher; moths and butterflies, Hahn W. Capps, Carl Heinrich, and J. F. Clarke; flies (Diptera), C. T. Greene, D. G. Hall, and

Alan Stone; Hymenoptera, R. A. Cushman, A. B. Gahan, M. R. Smith, Grace Sandhouse, and C. F. W. Muesebeck; grasshoppers and American neuropteroids, A. B. Gurney; mites and ectoparasites, H. E. Ewing; bugs, H. G. Barber; aphids, P. W. Mason; leafhoppers, P. W. Oman; scale insects, Harold Morrison; whiteflies, Louise M. Russell; thrips, J. C. Crawford; and insect morphology, R. E. Snodgrass.

Laboratory, Division of Insecticide Investigations.—Room 5827, South Building, United States Department of Agriculture. Telephone, Republic 4142, extension 2721. R. C. ROARK, principal chemist, in charge.

Development of new insecticides, improvement of existing ones, analytical and consulting service for the other divisions of this Bureau, cooperation in spray-residue-removal studies with Bureau of Plant Industry, with projects as follows: Chemical investigations on insecticidal plants, chemical investigations to develop synthetic organic insecticides, chemical investigations on the removal of spray residues, chemical investigations to develop inorganic insecticides, chemical investigations on fumigants for control of insect pests, and on accessory materials for use with insecticides, tests to determine the toxicity of new insecticidal compounds using goldfish, and chemical analysis of miscellaneous compounds tested as insecticides.

Laboratory, Division of Insects Affecting Man and Animals.—Rooms 6341, 6343, 6344, and 6346 South Building, United States Department of Agriculture. Telephone, Republic 4142, extensions 4383 and 4384. F. C. BISHOPP, principal entomologist, in charge.

Studies of tick biologies. Experiments in transmission of diseases, particularly by ticks and mosquitoes, some of which are carried on in cooperation with the Pathological Division of the Bureau of Animal Industry.

Laboratory, Division of Insects Affecting Man and Animals.—Rooms 6345, 6347, and 6348, South Building, United States Department of Agriculture. Telephone, Republic 4142, extensions 4383 and 4384. E. A. BACK, principal entomologist, in charge.

Investigations of methods of controlling insects affecting the household and certain stored commodities, particularly books, fabrics, and furniture, also foods offered in retail establishments.

FLORIDA

Bradenton

Suboffice of Miami, Fla., office, Division of Pink Bollworm and Thurberia Weevil Control.—P. O. Box 943, Fort Myers, Fla. J. N. TODD, assistant plant quarantine inspector, in charge.

Eradication of wild cotton for control of the pink bollworm.

Cape Sable

Suboffice of Miami, Fla., office, Division of Pink Bollworm and Thurberia Weevil Control.—P. O. Box 2919, Miami, Fla. Telephone, 2-4223. O. F. HASLBAUER, assistant plant quarantine inspector, in charge.

Eradication of wild cotton for control of the pink bollworm.

Florida Keys

Suboffice of Miami, Fla., office, Division of Pink Bollworm and Thurberia Weevil Control.—304 Federal Building. P. O. Box 2919, Miami, Fla. Telephone, 3-3033. E. L. WILDE, associate plant quarantine inspector, in charge.

Eradication of wild cotton for control of the pink bollworm.

Fort Myers

Suboffice of Miami, Fla., office, Division of Pink Bollworm and Thurberia Weevil Control.—P. O. Box 943. J. N. TODD, assistant plant quarantine inspector, acting in charge.

Eradication of wild cotton for control of the pink bollworm.

Gainesville

Laboratory, Division of Cotton Insect Investigations.—Second Floor, Old Experiment Station Building. P. O. Box 2462. Telephone, University 1000, extension 112. C. S. RUDE, associate entomologist, in charge.

Biology and control of boll weevil and other insects on sea-island cotton under Florida conditions.

In cooperation with the State agricultural experiment station and the Bureau of Plant Industry.

Office, Division of Foreign Plant Quarantines.—State Plant Board of Florida, 507 John F. Seagle Building, West University Avenue. Telephone, 341. A. C. BROWN, collaborator, in charge.

Headquarters for the enforcement of foreign plant quarantines and the inspection and certification of plants and plant products for export in the State of Florida.

In cooperation with the State plant board.

Jacksonville

Office, Divisions of Foreign and Domestic Plant Quarantines.—445 New Post Office Building, 311 West Monroe Street. P. O. Box 1713. Telephone, 5-4844, extension 208. P. THOMAS, collaborator, in charge.

Inspection of express, parcel post, and freight, moving from, to, and through Jacksonville by rail and boat, in foreign and

interstate commerce, for the enforcement of foreign and domestic plant quarantines.

In cooperation with the State plant board.

Key West

Office, Division of Foreign Plant Quarantines.—Room 203, New Federal Building, 307 Simonton Street. P. O. Box 990. Telephone, 299. R. G. MILNER, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with State plant board.

Suboffice, of Miami, Fla., office, Division of Pink Bollworm and Thurberia Weevil Control.—304 Federal Building. P. O. Box 2919. Miami, Fla. Telephone, 37711, extension 59. HOKE S. HENDRICKS, agent, in charge.

Eradication of wild cotton for control of the pink bollworm.

Miami

Office, Division of Foreign Plant Quarantines.—City Warehouse No. 13 (Second floor), foot of Northeast Ninth Street. P. O. Box 842. Telephone, North 33505. J. V. GIST, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with State plant board.

Office, Division of Pink Bollworm and Thurberia Weevil Control.—304 Federal Building. P. O. Box 2919. Telephone, 37711–59. W. E. CONN, plant quarantine inspector, in charge.

Headquarters for eradication of wild cotton to eliminate the pink bollworm in southern Florida.

Monticello

Laboratory, Division of Fruit Insect Investigations.—Pecan-insect investigations laboratory. Waukeenah Road, 1½ miles south. Box 25. S. O. HILL, assistant entomologist, in charge.

Investigations of pecan insects, including control of pecan nut case bearer, pecan leaf case bearer, pecan shuckworm, and aphids.

In cooperation with Florida Agricultural Experiment Station.

New Smyrna Beach

Sublaboratory of Panama City, Fla., laboratory, Division of Insects Affecting Man and Animals.—P. O. Box 655. G. H. BRADLEY, entomologist, in charge.

Biological studies of salt-marsh mosquitoes.

Orlando

Sublaboratory of Panama City, Fla., laboratory, Division of Insects Affecting Man and Animals.—Fairgrounds, near West Amelia and Parramore Streets. P. O. Box 491. W. V. KING, senior entomologist, in charge.

Biological studies of mosquitoes and buffalo gnats and studies in the control of these pests; also studies in the biology and host relationships of the Australian cattle tick.

Panama City

Laboratory, Division of Insects Affecting Man and Animals.—P. O. Box 789. W. E. DOVE, senior entomologist, in charge.

Studies on control of dog flies and the Gulf coast tick.

Pensacola

Suboffice of Gulfport, Miss., office, Division of Domestic Plant Quarantines.—Room 18, Federal Building. P. O. Box 343. Telephone, 5652. T. W. BOYD, agent, in charge.

District leader in control, eradication, and regulatory activities relating to white-fringed beetle infestation.

Office, Division of Foreign Plant Quarantines.—Rooms 307–308, Federal Building. P. O. Box 606. Telephone, 6811. R. B. LINGER, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with State plant board.

Quincy

Laboratory, Division of Truck Crop and Garden Insect Investigations.—209 Washington Street. P. O. Box 549. Telephone, 243–R. F. S. CHAMBERLIN, associate entomologist, in charge.

Investigations of insects affecting cigar-type tobaccos.

Saint Lucie

Laboratory, Division of Fruit Insect Investigations.—St. Lucie, Fla. (3 miles north of Fort Pierce). (P. O. Box 112, Fort Pierce, Fla.) Telephone, Fort Pierce 183. HERBERT SPENCER, entomologist, in charge.

Investigations on subtropical fruit insects, including control of citrus rust mite, whiteflies, the purple and Florida red scales, and the papaya fruitfly; the effect of insecticides on citrus trees and fruit.

Sublaboratory of Panama City, Fla., laboratory, Division of Insects Affecting Man and Animals.—P. O. Box 270, Fort Pierce, Fla. J. B. HULL, assistant entomologist, in charge.

Studies in the control of sand flies, and the effect of tide gates on salt-marsh mosquitoes.

Sanford

Laboratory, Division of Control Investigations.—1700 Magnolia Avenue. Telephone, Sanford 47. M. C. SWINGLE, associate entomologist, in charge.

Insecticide-testing laboratory.

Laboratory, Division of Truck Crop and Garden Insect Investigations.—1700 Magnolia Avenue. P. O. Box 549. Telephone, 47. C. B. WISECUP, assistant entomologist, in charge.

Investigations of red spider and thrips attacking vegetables.

Tampa

Office, Division of Foreign Plant Quarantines.—113 United States Customs Appraisers Stores Building, Corner Platt and Water Streets. P. O. Box 266. Telephone, M–58–621. R. D. POTTER, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with the State plant board.

West Palm Beach

Office, Division of Foreign Plant Quarantines.—Room 216, Federal Building, Olive and Fern Streets. M. LEROY, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with the State plant board.

GEORGIA

Albany

Laboratory, Division of Fruit Insect Investigations.—Fairgrounds, North Jefferson and Eighth Streets. P. O. Box 107. Telephone, 127. G. F. MOZNETTE, entomologist, in charge.

Investigations of the control of pecan insects in the Southeastern States.

In cooperation with the Bureau of Plant Industry of the United States Department of Agriculture.

Atlanta

Suboffice of Washington, D. C., office, Division of Domestic Plant Quarantines.—Atlanta Terminal Railway Post Office. Telephone, 0365. HERBERT M. WILLIAMS, agent, in charge.

Transit inspection of express, parcel post, and freight moving from, to, and through Atlanta for enforcement of domestic plant quarantines.

Office, Division of Foreign Plant Quarantines.—Room 432 State Capitol, Office of State Entomologist. Telephone, Walnut 2402. MILLEDGE MURPHEY, JR., collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with the office of the State entomologist.

Dahlonega

Suboffice of Richmond, Va., office, Division of Plant Disease Control.—Opposite Courthouse. Telephone, 19. W. V. ZIMMER, agent, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Georgia, by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State forester, the State entomologist, and local agencies.

Fort Valley

Laboratory, Division of Fruit Insect Investigations.—Church Street. Telephone, 53. O. I. SNAPP, entomologist, in charge.

Life history, habits, and control of the peach borers; control of the second-brood plum curculio on peach.

Lake Park

Sublaboratory of the Tifton, Ga., laboratory, Division of Cotton Insect Investigations.—P. O. Box 3. LOY W. MORGAN, agent, in charge.

Control of boll weevil on sea-island cotton under southern Georgia conditions.

In cooperation with the Georgia Coastal Plain Experiment Station. (Open from April to November.)

Savannah

Office, Division of Foreign Plant Quarantines.—Room 107, Customhouse. Telephone, 3-3221. L. A. MAYER, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Thomaston

Suboffice of Little Rock, Ark., office, Division of Domestic Plant Quarantines.—Fincher Building. Telephone, 236. L. M. CULPEPPER.

Supervision of activities for control of phony peach disease in the State of Georgia.

In cooperation with the office of the State entomologist.

Thomasville

Suboffice of Gulfport, Miss., office, Division of Domestic Plant Quarantines.—P. O. Box 435. T. THOMPSON, assistant entomologist, in charge.

Sweetpotato weevil control activities.

Tifton

Laboratory, Division of Cotton Insect Investigations.—Coastal Plain Experiment Station, 1 mile northwest of Tifton. Telephone, 500. P. M. GILMER, associate entomologist, in charge.

Investigations of the boll weevil and other cotton insects and methods of control on sea-island cotton.

In cooperation with the Georgia Coastal Plain Experiment Station and the Bureau of Plant Industry.

HAWAII

Hilo

Office, Division of Foreign Plant Quarantines.—2336 Kalaniamele Street. P. O. Box 554. Telephone, 7977. C. H. AULD, Board of Agriculture and Forestry, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with the Board of Commissioners of Agriculture and Forestry.

Honolulu

Laboratory, Division of Fruitfly Investigations.—University of Hawaii. P. O. Box 340. Telephone, 98455. O. C. MCBRIDE, entomologist, in charge.

Investigations on biology and host-fruit relations of the Mediterranean fruitfly and its control by the use of sprays, by vapor heat, and by low temperatures in the movement of fruit in commerce.

In cooperation with the University of Hawaii.

Office, Division of Foreign Plant Quarantines.—357 and 359, New Federal Building. P. O. Box 340. Telephone, Honolulu 6361, extensions 16 and 17. R. G. OAKLEY, senior plant quarantine inspector, in charge.

Enforcement of quarantine governing the movement of fruits and vegetables from Hawaii to the mainland; inspection and certification of plants and plants products for export.

Office, Division of Foreign Plant Quarantines.—Board of Commissioners of Agriculture and Forestry, Pier 12, Queen Street. P. O. Box 2520. Telephone, 3820. L. A. WHITNEY, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with the Board of Commissioners of Agriculture and Forestry.

Koloa

Office, Division of Foreign Plant Quarantines.—Board of Agriculture and Forestry. P. O. Box 1105. Telephone, 6 White 229. STEPHEN AU, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with the Board of Commissioners of Agriculture and Forestry.

IDAHO

Coeur d'Alene

Laboratory, Division of Forest Insect Investigations.—Federal Building, Fourth Street and Lakeside Avenue (best approach is by bus from Spokane, Wash.). P. O. Box 630. Telephone, 76. J. C. EVENDEN, senior entomologist, in charge.

Supervision of bark-beetle control projects in Idaho, Montana, Utah, and western Wyoming. Studies of bark beetles and various defoliating insects.

In cooperation with National Forest Service, National Park Service, and Office of Indian Affairs, State forestry department, and with organizations of private owners of forest land.

Moscow

Laboratory, Division of Truck Crop and Garden Insect Investigations.—Entomology Building, University of Idaho. P. O. Box 73. Telephone, 8691. T. A. BRINDLEY, associate entomologist, in charge.

Investigations of the pea weevil.

In cooperation with the State agricultural experiment stations of Idaho and Washington.

Parma

Laboratory, Division of Truck Crop and Garden Insect Investigations.—Suburbs of Parma. P. O. Box 578. Telephone, 88–J–2. F. H. SHIRCK, assistant entomologist, in charge.

Investigations of wireworms.

In cooperation with the Idaho Agricultural Experiment Station.

Twin Falls

Laboratory, Division of Truck Crop and Garden Insect Investigations.—Suburbs of Twin Falls, on Blue Lakes Boulevard. P. O. Box 1100. Telephone, 452. J. R. DOUGLASS, associate entomologist, in charge.

Investigations of the beet leafhopper.

In cooperation with the Idaho State Experiment Station, the office of the Governor of Idaho, and the Bureau of Plant Industry.

ILLINOIS

Chicago

Office, Division of Domestic Plant Quarantines.—1208 New Post Office Building. Telephone, Wabash 9207, extension 595. J. M. CORLISS, agent, in charge.

Transit inspection of express, parcel post, and freight moving from, to, and through Chicago for enforcement of domestic plant quarantines.

Headquarters for transit-inspection activities in the Midwestern States.

Office, Division of Foreign Plant Quarantines.—Room 108, Customhouse. Telephone, Harrison 5340, local 29. FRED O. DODD, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Urbana

Laboratory, Division of Cereal and Forage Insect Investigations.—Post Office Building. P. O. Box 32. Telephone, 7–4120 or University 207. RALPH A. BLANCHARD, entomologist, in charge.

Investigations of insects attacking corn, with particular emphasis on corn ear worm; investigations of sunflower insects.

In cooperation with the Illinois State Natural History Survey, the Illinois Agricultural Experiment Station, and the Bureau of Plant Industry, United States Department of Agriculture.

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Office, Division of Plant Disease Control.—Post Office Building, Urbana. P. O. Box 112. Telephone, Champaign-Urbana Exchange 7–2370. R. W. Bills, associate pathologist, in charge.

Field direction and general supervision of cooperative program in Illinois to locate and destroy the common barberry, which spreads black stem rust to small-grain crops.

In cooperation with the College of Agriculture, University of Illinois, State department of agriculture, and independent agricultural agencies.

INDIANA

Indianapolis

Suboffice, Division of Japanese Beetle Control.—Room 425, U. S. Court and Post Office Building. Telephone, Riley 3431, extension 214. C. N. Shepeard, agent, in charge.

Inspection and certification of quarantined articles to conform to State European corn borer regulations. In cooperation with State conservation department.

Lafayette

Laboratory, Division of Cereal and Forage Insect Investigations.—Room 207, Post Office Building, Fourth and Ferry Streets. P. O. Box 495. Telephone, 5903. Philip Luginbill, senior entomologist, in charge.

Central station for study of the hessian fly. Coordinates annual surveys to determine current conditions throughout winter wheat regions of the United States. Varieties of wheat resistant to the fly are under investigation. Improved methods of chinch bug control are sought and cooperation in control work is given neighboring States. White grubs and wheat and corn cutworms and corn ear worms are studied.

In cooperation with Bureau of Plant Industry, United States Department of Agriculture, and Indiana, Illinois, Ohio, and Michigan Agricultural Experiment Stations, and Ohio State University.

Vincennes

Laboratory, Division of Fruit Insect Investigations.—1237 Washington Avenue. Telephone, 173. L. F. Steiner, entomologist, in charge.

Laboratory for codling moth investigations associated with the residue problem; laboratory and field testing of insecticides; field studies of orchard sanitation, banding, and use of bait traps.

In cooperation with Purdue University Agricultural Experiment Station.

Laboratory, Division of Insecticide Investigations.—1237 Washington Avenue. Telephone, 173. J. E. FAHEY, associate chemist, in charge.

Analysis of insecticides. Determination of lead, arsenic, nicotine, and other insecticidal materials in spray residues. General chemical assistance to cooperating entomologists.

West Lafayette

Office, Division of Plant Disease Control.—Purdue Experiment Station Annex. Telephone, 3804. STANLEY CASTELL, associate pathologist, in charge.

Field direction and general supervision of cooperative program in Indiana to locate and destroy the common barberry, which spreads black stem rust to small-grain crops.

In cooperation with Purdue University Agricultural Extension Department, State department of conservation, and independent agricultural agencies.

IOWA

Ames

Laboratory, Division of Bee Culture.—Science Building, Iowa State College. Telephone, 2500, extension 474. O. W. PARK, collaborator, in charge.

Investigations on the resistance of honeybees to American foulbrood.

In cooperation with the Iowa Agricultural Experiment Station.

Office, Division of Plant Disease Control.—Botany Hall, Iowa State College. Telephone, 729. D. R. SHEPHERD, associate pathologist, in charge.

Field direction and general supervision of cooperative program in Iowa to locate and destroy the common barberry which spreads black stem rust to small-grain crops.

In cooperation with State college of agriculture, State department of agriculture, and independent agricultural agencies.

Suboffice of Milwaukee, Wis., office, Division of Plant Disease Control.—Room 2, L. A. Studio, Iowa State College. Telephone, 2500, extension 557. D. R. LUBBERTS, assistant pathologist, in charge.

State leader in cooperative control of white pine blister rust on important white pine areas in Iowa by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the forestry subsection, State agricultural experiment station; the experiment station plant patholo-

gist: the director of the agricultural experiment station; and the State entomologist.

JAPAN

Yokohama

Laboratory, Division of Foreign Parasite Introduction.—Canadian Pacific Building. P. O. Box 47. R. W. Burrell, associate entomologist, in charge.

Investigations on the natural enemies of the oriental fruit moth, Japanese and Asiatic beetles, pink bollworm, and spruce sawfly, and the exportation of these to the United States. Incidental work is also being conducted on other insect pests which have become established in the United States.

KANSAS

Manhattan

Laboratory, Division of Cereal and Forage Insect Investigations.—1204 Fremont Street. Telephone, 2535. R. T. Cotton, senior entomologist, in charge.

Study of control of flour-mill and stored-grain insect pests through fumigation: regional study of the hessian fly, including the selection of resistant varieties of wheat; dry-land cutworm investigations: and studies in varietal differences of alfalfa to aphid attack and the development of resistant varieties.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture, and with the Kansas, Nebraska, Missouri, and Oklahoma Agricultural Experiment Stations.

Laboratory, Division of Insecticide Investigations.—1204 Fremont Street. Telephone, 2535. H. D. Young, associate chemist, in charge.

Chemical investigations relating to the fumigation of grain and flour products.

Wichita

Sublaboratory of Bozeman, Mont., laboratory, Division of Cereal and Forage Insect Investigations.—234 North Hillside Avenue. Telephone, 3–8063. J. R. Horton, entomologist, in charge.

Studies of grasshoppers in representative areas to determine species involved, their life habits, food plants, effect of environmental factors on populations, and possibility of developing preventive methods of control.

LOUISIANA

Baton Rouge

Laboratory, Division of Bee Culture.—Agricultural Center, State University. Mailing address: University, La. Telephone, 4780, branch 19. W. WHITCOMB, JR., apiculturist, in charge.

Investigations on methods of queen rearing; package-bee production; genetics; physiology of bees.

In cooperation with the State agricultural experiment station.

Suboffice of Gulfport, Miss., office, Division of Domestic Plant Quarantines.—Eighth Floor, State Capitol Building. P. O. Box 2212. Telephone, 5680, extension 15. W. O. OWEN, agent, in charge.

District leader in activities relating to enforcement of white-fringed beetle quarantine.

Suboffice of the Houston, Tex., office, Division of Domestic Plant Quarantines.—State Capitol. W. E. ANDERSON, collaborator, in charge.

Direction of activities in the eradication of citrus canker from Louisiana.

In cooperation with the State department of agriculture and immigration.

Laboratory, Division of Truck Crop and Garden Insect Investigations.—Louisiana Agricultural Experiment Station. Mailing address: University, La. Telephone, 4785, extension 214. C. E. SMITH, associate entomologist, in charge.

Investigations on the control of various species of cabbage caterpillars and turnip aphid.

In cooperation with the State agricultural experiment station.

Crowley

Sublaboratory of Houma, La., laboratory, Division of Cereal and Forage Insect Investigations.—Rice Experiment Station, 1 mile west of Crowley on U. S. Highway 90. P. O. Box 164. Telephone, 196. W. A. DOUGLAS, assistant entomologist, in charge.

Investigation of insects affecting lowland rice with particular reference to field infestation by stored-rice insects and relationship of the rice stinkbug to "pecky" rice, and the insect enemies of soybeans as a rotation crop for rice.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture, and the rice station of the State agricultural experiment station.

Houma

Laboratory, Division of Cereal and Forage Insect Investigations.—One mile west of Houma on U. S. Highway 90 (turn right and follow Bayou to United States sugar station). P. O. Box 387. Telephone, 499–W. J. W. Ingram, entomologist, in charge.

Headquarters for studies on sugarcane borer and sugarcane beetle, their control and their relation to various varieties of sugarcane, soil animalcula affecting sugarcane culture, and insect transmission of sugarcane disease. Parasitic enemies of sugarcane insects.

In cooperation with Bureau of Plant Industry, United States Department of Agriculture, and State agricultural experiment station.

New Orleans

Sublaboratory of the Florala, Ala., laboratory, Division of Cereal and Forage Insect Investigations.—Drum Street, one-half block off Haynes Boulevard, 1.2 miles east of New Orleans Airport. R. F. D. No. 4, Box 333–A. B. A. App, assistant entomologist, in charge.

Investigations on white-fringed beetle.

In formal cooperation with the State department of agriculture.

Laboratory, Division of Control Investigations.—Office, Laboratory and Greenhouse. 4429 Bienville Street. Telephone, Au. 3860. Erskine M. Livingston, assistant entomologist, in charge.

Investigations on control methods for white-fringed beetle.

Suboffice of Gulfport, Miss., office, Division of Domestic Plant Quarantines.—4425 Bienville Avenue, P. O. Box 7086, Station G. Telephone, Audubon 3860. Harry L. Smith, agent, in charge.

District leader in activities relating to enforcement of white-fringed beetle quarantine.

Office, Division of Foreign Plant Quarantines.—Room 308, Customhouse, 423 Canal Street. Telephone, Magnolia 4451, extension 301 (nights and holidays call Main 6989). W. T. Dillard, plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Laboratory, Division of Forest Insect Investigations.—824 Federal Office Building, 620 South Street. Telephone, Magnolia 5271, extension 240. T. E. Snyder, senior entomologist, in charge.

Investigations of forest-products insects, especially termites, powder-post beetles, and ambrosia beetles.

In cooperation with the Southern Forest Experiment Station, the Bureau of Plant Industry, and private lumber associations.

Sunset

Suboffice of Gulfport, Miss., office, Division of Domestic Plant Quarantines.—Telephone, 46. GRIFFIN L. PHILLIPS, junior entomologist, in charge.

Sweetpotato weevil control.

Laboratory, Division of Truck Crop and Garden Insect Investigations.—P. O. Box 7. Telephone, 44. K. L. COCKERHAM, associate entomologist, in charge.

Investigations of the sweetpotato weevil.

In cooperation with the State agricultural experiment station and the Louisiana Department of Agriculture and Immigration.

Tallulah

Laboratory, Division of Cotton Insect Investigations.—Two miles south of Tallulah, La., on U. S. Highway 65. Telephone, 49. R. C. GAINES, entomologist, in charge.

Boll weevil control with insecticides; hibernation and other ecological and biological studies of the boll weevil; parasites of the boll weevil; host plants other than cotton of boll weevil; effect of calcium arsenate on soils and on crops following its use; control of cotton insects such as the cotton leaf worm, cotton aphid, thrips, flea beetles, leaf beetles, and other insects.

MAINE

Auburn

District office of Augusta, Maine, suboffice, Division of Plant Disease Control.—53 Court Street. Telephone, 3208. G. H. KIMBALL, chief scientific aide, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Auburn district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, towns, pine owners, and other agencies.

Augusta

Suboffice of Greenfield, Mass., office, Division of Gypsy and Brown-tail Moth Control.—Office of Chief, Division of Plant Industry, State House. Telephone, 1200. E. L. NEWDICK, collaborator, in charge.

State leadership in cooperative control of the brown-tail moth in Maine.

Suboffice of the Cambridge, Mass., office, Division of Plant Disease Control.—Maine Forest Service, Adjutant Building. Telephone, 1200, extension 210. W. O. Frost, associate pathologist, in charge.

State leader in cooperative control of white pine blister rust on important white pine areas in Maine by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State forest service and the State agricultural college, extension division.

Belfast

District office of Augusta, Maine, suboffice, Division of Plant Disease Control.—Room 2, Post Office Building. Telephone, 191. H. G. Bradbury, Jr., chief scientific aide, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Belfast district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, towns, pine owners, and other agencies.

Bridgton

District office of Augusta, Maine, suboffice, Division of Plant Disease Control.—40 Main Street. Telephone, Bridgton 137–2. D. S. Curtis, chief scientific aide, in charge.

Cooperative control of white pine blister rust on important white pine areas in the North Bridgton district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Waterville

District office of Augusta, Maine, suboffice, Division of Plant Disease Control.—104 Main Street. Telephone, 1802. J. M. White, chief scientific aide, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Waterville district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

MARYLAND

Baltimore

Office, Division of Foreign Plant Quarantines.—Room 13, Customhouse, Gay, Water, and Lombard Streets. Telephone, Plaza 8460, extension 73. W. A. Ranck, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Office, Division of Japanese Beetle Control.—Room 306, Post Office Building, Calvert and Fayette Streets. Telephone, Plaza 8320, extension 457. W. C. ARMSTRONG, field supervisor in insect control, in charge.

Enforcement of the Japanese beetle quarantine in Maryland, West Virginia, and the Eastern Shore of Virginia, including supervision of inspection and certification, and nursery and greenhouse scouting.

In cooperation with the Maryland State Horticulture Department, and Virginia and West Virginia Departments of Agriculture.

Beltsville

Divisional Headquarters, Division of Bee Culture.—National Agricultural Research Center. Telephone, Warfield 4201, extension 19. J. I. HAMBLETON, principal apiculturist, in charge.

General supervision of all apicultural activities of the Bureau, and investigations of controlled breeding of honeybees and of diseases of bees.

Laboratory, Division of Control Investigations.—Laboratory A, National Agricultural Research Center. Telephone, Warfield 4201, extension 18. J. F. YEAGER, JR., senior entomologist, in charge.

Investigations on development of insecticides and general investigations in insect physiology. J. F. YEAGER, in charge.

Investigations on toxic effect of insecticides on insects and tests to determine effect of new insecticidal materials on insects. E. R. MCGOVRAN, entomologist, in charge.

Investigations on the digestion processes of leaf-feeding insects. Under special research fund (Bankhead-Jones). F. H. BABERS, assistant biochemist, in charge.

Investigations on fumigation and use of gaseous insecticides. A. C. JOHNSON, associate plant quarantine inspector, in charge.

Laboratory, Division of Fruit Insect Investigations.—National Agricultural Research Center. Telephone, Warfield 4201, extension 20. E. H. SIEGLER, senior entomologist, in charge.

The development and testing of new materials as substitutes for lead arsenate in codling moth control, and laboratory and field experiments on chemically treated bands for codling moth control.

Laboratory, Division of Insecticide Investigations.—National Agricultural Research Center. Telephone, Warfield 4201, extension 18. HOWARD A. JONES, associate chemist, in charge.

Investigations of chemical methods of evaluating derris, cube, and domestic species of *Cracca*. Studies are also being made

of the chemical and physical properties of insecticidal dusting materials, with particular reference to dusts containing nicotine; the particle size of paris green, calcium arsenate, dusting sulfur, and other insecticides; and new sticking agents for use with phenothiazine, nicotine peat, and other new organic insecticides.

Laboratory, Division of Insects Affecting Man and Animals.—National Agricultural Research Center. Telephone, Warfield 4201, 20, 2 rings. WALLACE COLMAN, associate entomologist, in charge.

Studies in the biology and control of fabric pests, especially clothes moths and carpet beetles.

Laboratory, Division of Insects Affecting Man and Animals.—National Agricultural Research Center. Telephone, Warfield 4201, extension 22. W. ROBINSON, senior entomologist, in charge.

Investigation of blowfly maggots in relation to their use in the postoperative treatment of suppurating lesions, particularly of the bone. Also studies concerning the toxicology of insect bites.

Laboratory, Division of Truck Crop and Garden Insect Investigations.—National Agricultural Research Center. Telephone, Warfield 4201, extension 21. C. A. WEIGEL, senior entomologist, in charge.

Studies of insects affecting greenhouse and ornamental plants; studies of mushroom insects.

College Park

Laboratory, Division of Insecticide Investigations.—University of Maryland, Chemistry Building. Telephone, Greenwood 1660, extension 93. N. L. DRAKE, special chemist, in charge.

Development of organic insecticides and of methods for the determination of fumigant concentrations and residues.

Cumberland

Suboffice of Richmond, Va., office, Division of Plant Disease Control.—Care of District Forester, County Courthouse. Telephone, 147. H. E. YOST, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in Maryland by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State forester and the State horticultural department.

Glenn Dale

Suboffice of Baltimore, Md., office, Division of Japanese Beetle Control.—United States Plant Introduction Gardens. Telephone, Bowie 3162. WILLIAM H. DEWATERS, agent, in charge.

Enforcement of the Japanese beetle quarantine in the District of Columbia and in Arlington, Culpeper, Fairfax, Fauquier, Loudoun, Prince William, and Stafford Counties, and in the cities of Alexandria and Fredericksburg, Va.

In cooperation with the Virginia Department of Agriculture and Immigration.

Hagerstown

Suboffice of Baltimore, Md., office, Division of Japanese Beetle Control.—Washington County Annex Building. Telephone, 6. H. O. WINDSOR, agent, in charge.

Enforcement of the Japanese beetle quarantine in Allegany, Frederick, and Washington Counties, Md., and the town of Keyser and district of Frankford in Mineral County, W. Va., including inspection and certification service, and supervision of nursery and greenhouse scouting.

In cooperation with the Maryland State Horticultural Department and the West Virginia Department of Agriculture.

Salisbury

Office, Division of Japanese Beetle Control.—Room 202, New Post Office Building. Telephone, 1508. CHARLES O. KELLEY, agent, in charge.

The Salisbury, Md., area has been extended to include Japanese beetle quarantine and European corn borer certification activities in Delaware, as well as on the Eastern Shore of Maryland and Virginia. The Dover, Del., office is now a suboffice under supervision of this office.

Westminster

Laboratory, Division of Bee Culture.—Science Building, Western Maryland College. Telephone, Westminster 513–J. L. M. BERTHOLF, agent, in charge.

Investigations on the effects of insecticides, repellents, and attractants of honeybees and other pollinating insects.

In cooperation with Western Maryland College.

MASSACHUSETTS

Boston

Suboffice of New York, N. Y., office, Division of Domestic Plant Quarantines.—Room 405, 408 Atlantic Avenue. Telephone, Hancock 4423. B. H. PETFIELD, agent, in charge.

Inspection of express, parcel post, and freight moving from, to, or through Boston.

Office, Division of Foreign Plant Quarantines.—408 Atlantic Avenue. Telephone, Hancock 4423. W. H. FREEMAN, plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

District office, Japanese Beetle Control, cooperating with Division of Gypsy and Brown-tail Moth Control, Greenfield, Mass.—405–408 Atlantic Avenue. Telephone, Hancock 4423. H. B. RAMSEY, in charge.

State leadership in cooperative control of the gypsy moth and the brown-tail moth in Massachusetts.

Office, Division of Plant Disease Control.—Room 206 Federal Building, Cambridge, Mass. Telephone, Kirkland 2551. E. C. FILLER, senior pathologist, in charge.

Field direction and general supervision of cooperative program to establish and maintain control of the white pine blister rust disease in important white pine areas in the Northeastern States by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and the National Park Service, and the States of Maine, Vermont, New Hampshire, Connecticut, Massachusetts, Rhode Island, New York, New Jersey, and Pennsylvania.

Suboffice of Cambridge, Mass., office, Division of Plant Disease Control.—No. 136 State House. Telephone, Capitol 4600, extension 285. C. C. PERRY, associate pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in Massachusetts by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State department of conservation, the State department of agriculture and the State College, extension division.

Brockton

District office of Boston, Mass., suboffice, Division of Plant Disease Control.—106 Main Street, care of Plymouth County Extension Service. Telephone, 4993. E. M. BROCKWAY, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Brockton district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Buckland

District office of Boston, Mass., suboffice, Division of Plant Disease Control.—11 State Street, Newell Block, Buckland, Mass. Mail address: Shelburne Falls, Mass. Telephone, 165–2. G. S. DOORE, chief scientific aide, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Buckland district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Greenfield

Divisional headquarters, Division of Gypsy Moth and Brown-tail Moth Control.—20 Sanderson Street. Telephone, 3548. A. F. BURGESS, principal entomologist, in charge.

Headquarters for the field control work of the gypsy moth and the brown-tail moth to maintain a barrier zone, embracing over 9,000 square miles in New York east of the Hudson River, in western Vermont, in Massachusetts, and in Connecticut, to the westward spread of the gypsy moth.

In cooperation with the New England States and the conservation department of the State of New York. Cooperation maintained with the States of New Jersey and Pennsylvania in connection with the gypsy moth problem.

Jamaica Plain

Office, Division of Plant Disease Control.—Administration Building, Arnold Arboretum. Telephone, Harvard University, extension 1717. LAWRENCE M. AMES, associate pathologist, in charge.

Identification and classification of species and varieties of *Berberis;* nursery inspection; and service to nursery inspectors and horticulturists in connection with barberry-eradication program.

In cooperation with botany department, Harvard University.

Pittsfield

Suboffice of Greenfield, Mass., office, Division of Gypsy Moth and Brown-tail Moth Control.—199 Woodlawn Avenue. P. O. Box 584. Telephone, 2–4878. W. W. BANCROFT, principal scientific aide, in charge.

Supervision of scouting and control work against the gypsy moth in Massachusetts.

Springfield

District office of Boston, Mass., suboffice, Division of Plant Disease Control.—Room 338, Federal Building. Telephone, 2–5714. R. E. WHEELER, chief scientific aide, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Springfield district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Vineyard Haven

Laboratory, Division of Insects Affecting Man and Animals.—Corner Franklin Street and Daggett Avenue. Telephone, 949. CARROLL N. SMITH, assistant entomologist, in charge.

Studies of the biology, habits, and methods of control of the American dog tick, and its relation to spotted fever.

Waltham

Sublaboratory of Toledo, Ohio, laboratory, Division of Cereal and Forage Insect Investigations.—Waltham Experiment Station, 240 Beaver Street. Telephone, Waltham 3420. E. W. BECK, assistant entomologist, in charge.

Investigations of the European corn borer.

Office, Division of Japanese Beetle Control.—144 Moody Street. Telephone, Waltham 2188. H. N. BARTLEY, associate entomologist, in charge.

Enforcement of the Japanese beetle quarantine and gypsy and brown-tail moth quarantine in New England (other than Fairfield and New Haven Counties, Conn.), including supervision of inspection and certification, and nursery and greenhouse scouting.

Worcester

District office of Boston, Mass., suboffice, Division of Plant Disease Control.—Room 414, Federal Building, Main Street. Telephone, 3–5477. W. CLAVE, chief scientific aide, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Worcester district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

MEXICO

Mexico City

Divisional headquarters, Division of Fruitfly Investigations.—Calzada Mexico-Tacuba 295, Colonia Anahuac, D. F., Mexico. Telephones, Ericsson 632–77 and Mexican Q-03–97. A. C. BAKER, principal entomologist, in charge; W. E. STONE, senior entomologist, first assistant.

Investigations of the habits, distribution, and control of fruitflies native to tropical and subtropical regions.

Laboratory, Division of Fruitfly Investigations.—Laboratorio Entomologico, Calzada Mexico-Tacuba 295, Colonia Anahuac, D. F., Mexico. Telephone, Ericsson 632–77. W. E. STONE, senior entomologist, in charge.

Investigations of the habits, distribution, and control of Mexican fruitflies.

In cooperation with the Sanidad Vegetal and the Instituto Biotecnico, Secretaria de Agricultura y Fomento.

Santa Engracia, Tamaulipas

Sublaboratory of Mexico City laboratory, Division of Fruitfly Investigations.—Hacienda Santa Engracia, Santa Engracia, Tamaulipas. Mailing address: Care of Hacienda Santa Engracia. J. G. SHAW, assistant entomologist, in charge.

Grove experiments with insecticides for control of *Anastrepha ludens* and studies of fly movement and host fruits.

In cooperation with the Division of Fruitfly Control and Jose Martinez, proprietor of the hacienda.

MICHIGAN

Detroit

Office, Division of Foreign Plant Quarantines.—Room 100, Customhouse. Telephone, Cadillac 5814. A. G. WEBB, senior plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export to all Canadian border States.

Office, Division of Japanese Beetle Control.—12751 Sussex Avenue. Telephone, Vermont 5-0440. T. J. WEHRSCHMIDT, agent, in charge.

Inspection and certification of quarantined articles to conform to State European corn borer regulations.

In cooperation with State department of agriculture.

Escanaba

District office of Lansing, Mich., suboffice, Division of Plant Disease Control.—Room 212, Federal Building, 522 East Ludington Street. P. O. Box 282. Telephone, 1930. GLENN R. ALLISON, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the upper Michigan district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Lansing

Office, Division of Plant Disease Control.—Room 211, Post Office Building. P. O. Box 598. Telephone, 5–5518. M. E. TURNER, agent, in charge.

Field direction and general supervision of cooperative program to locate and destroy the common barberry which spreads black stem rust to small-grain crops in Michigan.

In cooperation with the State college of agriculture, State department of agriculture, and independent agricultural agencies.

Suboffice of Milwaukee, Wis., office, Division of Plant Disease Control.—State Department of Agriculture. P. O. Box 328. Telephone, 5–8144, extension 296. J. K. KROEBER, associate pathologist, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Michigan by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and State department of agriculture.

Newaygo

District office of Lansing, Mich., suboffice, Division of Plant Disease Control. Telephone, 38. R. I. THOMPSON, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in the lower Michigan district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

MINNESOTA

Duluth

District office of St. Paul, Minn., suboffice, Division of Plant Disease Control.—309 Federal Building. Telephone, Melrose 1508. DONALD M. STEWART, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Duluth district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Minneapolis

Office, Division of Plant Disease Control.—111 Federal Office Building. Telephone, Bridgeport 2048. RAYMOND O. BULGER, senior pathologist, in charge.

Field direction and supervision of cooperative program for the control of stem rust of cereal crops.

In cooperation with State colleges of agriculture, State departments of agriculture, and independent agricultural agencies in 17 important grain-growing States.

North Branch

District office of St. Paul, Minn., suboffice, Division of Plant Disease Control.—North Branch, Minn. Telephone, 174. WILLIAM R. DOELL, JR., agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the North Branch district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

St. Paul

Suboffice of Chicago, Ill., office, Divisions of Foreign and Domestic Plant Quarantines.—202 New Post Office Building. Telephone, Cedar 0813. H. W. HECKER, assistant plant quarantine inspector, in charge.

Transit inspection of express, parcel post, and freight moving from, to, and through St. Paul, for the enforcement of domestic and foreign plant quarantines.

In cooperation with the State department of agriculture.

Office, Division of Plant Disease Control.—University Farm. Telephone, Nestor 4616, extension 95. L. W. MELANDER, associate pathologist, in charge.

Field direction and general supervision of cooperative program to locate and destroy the common barberry which spreads black stem rust to small-grain crops in the State.

In cooperation with college of agriculture, University of Minnesota, State department of agriculture, and independent agricultural agencies.

Office, Division of Plant Disease Control.—University Farm. Telephone, Nestor 4616. E. C. STAKMAN, agent, in charge.

Surveys of the occurrence, prevalence, and severity of stem rust in the United States as related to the barberry-eradication program; testing different species and varieties of barberry for reaction to the stem rust fungus.

In cooperation with the College of Agriculture, University of Minnesota.

Suboffice of Milwaukee, Wis., office, Division of Plant Disease Control.—Office of Division of Forestry, 338 State Office Building. Telephone, Cedar 3013, extension 454. L. B. RITTER, associate pathologist, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Minnesota by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service, the Indian Service, and the Minnesota department of conservation.

Walker

District office of St. Paul, Minn., suboffice, Division of Plant Disease Control.—Conservation Building. Telephone, 64. JACOB N. LICKE, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Walker district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

MISSISSIPPI

Bolton

Suboffice of Gulfport, Miss., office, Division of Domestic Plant Quarantines.—C. G. BOLTON, agent, in charge.

Control and eradication of the white-fringed beetle.

Gulfport

Sublaboratory of Florala, Ala., laboratory, Division of Cereal and Forage Insect Investigations.—1501 Thirty-second Avenue. J. B. GILL, junior entomologist, in charge.

Biology and habits of white-fringed beetle and *Pantomorus peregrinus*.

Office, Division of Domestic Plant Quarantines.—Room 302, Gates and Cook Building. P. O. Box 43. Telephone, 448. T. R. STEPHENS, plant quarantine inspector, in charge.

Field direction of cooperative program to control the sweetpotato weevil.

In cooperation with the States of Alabama, Louisiana, Mississippi, Georgia, Florida, and Texas.

Office, Division of Domestic Plant Quarantines.—Room 3, Gates and Cook Building. P. O. Box 989. Telephone, 1591. L. J. PADGETT, senior plant quarantine inspector, project leader, in charge.

Supervision of control activities of the white-fringed beetle infestations in southern Alabama, northern Florida, and parts of Mississippi and Louisiana.

In cooperation with the department of agriculture and industries of the State of Alabama, the State plant boards of Florida and Mississippi, and the department of agriculture and immigration of Louisiana.

Suboffice of Gulfport, Miss., office, Division of Domestic Plant Quarantines.—1812 Twenty-fifth Avenue. P. O. Box 989. Telephone, 696. H. GLADNEY, agent, in charge.

District leader in control, eradication, and regulatory activities relating to white-fringed beetle infestation. Agent is paid by the State and works jointly with this Bureau.

Hattiesburg

Suboffice of Gulfport, Miss., office, Division of Domestic Plant Quarantines.—P. O. Box 1166. W. B. HOLLINGSWORTH, assistant entomologist, in charge.

Sweetpotato weevil control activities.

Suboffice, Division of Domestic Plant Quarantines.—P. O. Box 988. JOHN T. ROY, field assistant, in charge.

White-fringed beetle control activities.

Laurel

Suboffice of Florala, Ala., office, Division of Domestic Plant Quarantines.—Civic Center Building. P. O. Box 546. Telephone, 1305. S. S. SHEFFIELD, assistant plant quarantine inspector, in charge.

Control and eradication of the white-fringed beetle.

State College

Laboratory, Division of Cotton Insect Investigations.—Room 101 Biology Building. P. O. Box 388. Telephone, Starkville 450. R. L. MCGARR, assistant entomologist, in charge.

Bollweevil control tests; bollweevil parasites; cotton aphid control; relation of calcium arsenate and other arsenicals to

various soils and to cotton and other crops grown on them; investigations of cotton flea hopper and related mirids.

In cooperation with the State agricultural experiment station, and the State plant board.

Suboffice of Little Rock, Ark., office, Division of Domestic Plant Quarantines.—P. O. Box 1538. JOHN B. WILLIAMS, agent, in charge.

Control and prevention of spread of phony peach disease.

Stoneville

Laboratory, Division of Cotton Insect Investigations.—Delta Branch Experiment Station, Stoneville, Miss., 2 miles from Leland and 10 miles from Greenville. (Mail, express, and freight: Leland, Miss.) P. O. Box 8. Telephone, Leland 247–W. E. W. DUNNAM, entomologist, in charge.

Studies of varietal resistance of cotton to boll weevil, aphids, and thrips.

In cooperation with the Bureau of Plant Industry of the United States Department of Agriculture.

MISSOURI

Jefferson City

Office, Division of Plant Disease Control.—Room 411, State Office Building. Telephone, 2774. GEORGE M. FRANDSEN, associate plant pathological inspector, in charge.

Field direction and general supervision of cooperative program to locate and destroy the common barberry, which spreads black stem rust to small-grain crops in Missouri.

In cooperation with the college of agriculture, University of Missouri, State department of agriculture, and independent agricultural agencies.

Kansas City

Suboffice of Chicago, Ill., office, Division of Domestic Plant Quarantines.—564 General Post Office Building. GLENN E. MOORE, assistant plant quarantine inspector, in charge.

Checking plant material in transit for the enforcement of domestic quarantine regulations.

St. Joseph

Laboratory, Division of Fruit Insect Investigations.—2925 Olive Street. Telephone, 6–3228. HOWARD BAKER, associate entomologist, in charge.

Field investigations of insecticides and banding for control of codling moth.

St. Louis

Suboffice of Chicago, Ill., office, Division of Domestic Plant Quarantines.—Milner Hotel. JAMES T. SCOTT, agent, in charge.

Transit inspection of express, parcel post, and freight, moving from, to, and through St. Louis for enforcement of domestic plant quarantines.

In cooperation with the State department of agriculture.

MONTANA

Billings

Suboffice of Denver, Colo., office, Division of Domestic Plant Quarantines.—409 North Twentieth Street. P. O. Box 1697. Telephone, 7351. KEITH EVANS, agent, in charge.

Warehouse for equipment and supplies for Mormon cricket control in Nevada. This suboffice is maintained for the greater part of the year.

Bozeman

Laboratory, Division of Cereal and Forage Insect Investigations.—Campus of the Montana State College. Telephone, Montana State College, 147. J. R. PARKER, senior entomologist, in charge.

Central station for the study of the biology and control of grasshoppers injurious to agriculture, including the Mormon cricket.

In cooperation with the United States Department of the Interior, Forest Service, the Montana State Agricultural Experiment Station, the Office of Soil Conservation, and other experiment stations of the Intermountain, Pacific, and Northwestern States.

Suboffice of Fargo, N. Dak., office, Division of Plant Disease Control.—Lewis Hall, Montana State College, Bozeman, Mont. Telephone, 147, extension 46. IVAR TWILDE, assistant pathologist, in charge.

Field direction of cooperative program to locate and destroy the common barberry which spreads black stem rust to small-grain crops in the district comprising North Dakota and Montana.

In cooperation with the State college of agriculture, the State department of agriculture, and independent agricultural agencies.

NEBRASKA

Lincoln

Office, Division of Plant Disease Control.—313 Plant Industry Building, College of Agriculture. Telephone, 2–7261, extension 231. MARION E. YOUNT, associate pathologist, in charge.

Field direction of cooperative program in Nebraska to locate and destroy the common barberry which spreads black stem rust to small-grain crops.

In cooperation with the college of agriculture, University of Nebraska, State department of agriculture, and independent agricultural agencies.

Omaha

Suboffice of Chicago, Ill., office, Division of Domestic Plant Quarantines.—315 Federal Office Building. Telephone, Jackson 7909, extension 186. W. R. WALTON, JR., agent, in charge.

Transit inspection of express, parcel post, and freight moving from, to, and through Omaha for enforcement of domestic plant-quarantine regulations.

In cooperation with the State department of agriculture and inspection.

Scottsbluff

Laboratory, Division of Truck Crop and Garden Insect Investigations.—2306 Avenue B. Telephone, 740–L. R. L. WALLIS, assistant entomologist, in charge.

Investigations of psyllids and other insects that affect potatoes.

NEW HAMPSHIRE

Concord

Suboffice of Cambridge, Mass., office, Division of Plant Disease Control.—Department of Forestry and Recreation. State Office Building. Telephone, 800. L. E. NEWMAN, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in New Hampshire by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State forestry commission and the State agricultural college, extension division.

District office of Concord, N. H., suboffice, Division of Plant Disease Control.—Room 309, United States Post Office Building. Telephone, 3674–W. T. J. KING, chief scientific aide, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Concord district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Durham

Office, Division of Gypsy Moth and Brown-tail Moth Control.—Office of Deputy Commissioner in charge of Moth Work, Thompson Hall, University of New Hampshire. Telephone, 187. W. C. O'KANE, collaborator, in charge.

State leadership in cooperative control of the brown-tail moth in New Hampshire.

Keene

District office of Concord, N. H., suboffice, Division of Plant Disease Control.—51 Main Street. Telephone, 1238–M. F. J. BAKER, chief scientific aide, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Keene district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Lebanon

District office of Concord, N. H., suboffice, Division of Plant Disease Control.—Rooms 10 and 12, Harrison Block, 75 North Park Street. P. O. Box 268. Telephone, 7–W. G. F. RICHARDSON, JR., assistant plant pathological inspector, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Lebanon district by eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Littleton

District office of Concord, N. H., suboffice, Division of Plant Disease Control.—Room 15, Post Office Building. Telephone, 437–M. T. L. KANE, chief scientific aide, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Littleton district by the eradication of wild and cultivated currant and gooseberry plants.

DEPARTMENT O

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FRUIT INSECT INVESTIGATIONS
Investigations to develop methods of control of insects affecting fruit and fruit trees including Japanese and Asiatic beetles.

FRUITFLY INVESTIGATIONS
Investigations to develop methods of control of fruitflies.

MEXICAN FRUITFLY CONTROL
Control and prevention of spread of Mexican fruitfly including enforcement of Federal quarantine.

JAPANESE BEETLE CONTROL
Control and prevention of spread of the Japanese beetle and the Dutch elm disease, including enforcement of Federal quarantines on Japanese beetle, Dutch elm disease, and gypsy and brown-tail moths; also certification of products to meet requirements of State quarantines on European corn borer.

CONTROL INVESTIGATIONS
Investigations on effect of insecticides, repellents, and attractants on insects and development of methods of applying control principles commercially.

FOREST INSECT INVESTIGATIONS
Investigations to develop methods of control of insects affecting forest and shade trees and wood products.

GYPSY AND BROWN-TAIL MOTH CONTROL
Control and prevention of spread of gypsy and brown-tail moths.

PLANT DISEASE CONTROL
Control and prevention of spread of white-pine blister rust and black stem rust.

DOMESTIC PLANT QUARANTINES
Enforcement of domestic plant quarantines in cooperation with State officials, postal authorities, and common carriers; inspection in transit of plant products regulated under Federal quarantine, control and prevention of spread of phony peach disease, peach mosaic, citrus canker, sweetpotato weevil, and white-fringed beetle; and cooperation with State and local agencies in control of widespread outbreaks of grasshoppers, Mormon crickets, and chinch bugs.

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CEREAL AND FORAGE INSECT INVESTIGATIONS

Investigations to develop methods of control of insects affecting cereal and forage crops

TRUCK CROP AND GARDEN INSECT INVESTIGATIONS

Investigations to develop methods of control of insects affecting truck crop and garden and greenhouse plants.

COTTON INSECT INVESTIGATIONS

Investigations to develop methods of control of insects affecting cotton.

PINK BOLLWORM AND THURBERIA WEEVIL CONTROL

Control and prevention of spread of pink bollworm and Thurberia weevil including enforcement of Federal quarantines.

INSECT IDENTIFICATION

Identification and classification of insects including studies on insect anatomy and morphology.

INSECTS AFFECTING MAN AND ANIMALS

Investigations to develop methods of control of insects attacking man and animals and the insect pests of households.

FOREIGN PLANT QUARANTINES

Enforcement of foreign plant quarantines at ports of entry; certification of plant products to meet sanitary requirements of foreign countries.

BEE CULTURE

Investigations on bees and bee products and the use of bees in the pollination of economic plants.

INSECTICIDE INVESTIGATIONS

Investigations on the chemical and physical properties of insecticides, attractants, and repellents useful for the control of insects.

FOREIGN PARASITE INTRODUCTION

Exploration to discover natural enemies of insect pests and the importation of beneficial species.

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In cooperation with counties, townships, pine owners, and other local agencies.

North Conway

District office of Concord, N. H., suboffice, Division of Plant Disease Control.—P. O. Box 436. Telephone, 98. S. H. Boomer, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in the North Conway district by eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

NEVADA

Winnemucca

Laboratory, Division of Cereal and Forage Insect Investigations.—Corner West Fifth and Pavilion Streets. J. C. Hamlin, senior entomologist, in charge.

Studies of biology and ecology of Mormon cricket.

In cooperation with the State experiment station.

NEW JERSEY

Bloomfield

Divisional headquarters, Division of Japanese Beetle Control.—266 Glenwood Avenue. Telephone, Bloomfield 2–4900 and 2–4901. E. G. Brewer, principal administrative officer, in charge.

Enforcement of quarantines relating to Japanese beetle, European corn borer, and gypsy and brown-tail moths. Trapping in nonquarantined States to determine infestation, and chemical treatment of isolated infestations. Gypsy moth and brown-tail moth quarantine inspection and certification. Corn borer certification in compliance with State quarantines authorizing entry of restricted articles under Federal certification only. Dutch elm disease eradication and control.

In cooperation with the States of Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, Virginia, and West Virginia.

Bound Brook

Suboffice of Greenfield, Mass., office, Division of Gypsy Moth and Brown-tail Moth Control.—Second Street. P. O. Box 506. Telephone, 622–W. H. A. Ames, senior administrative assistant, in charge.

Supervision of cooperative control work against the gypsy moth in New Jersey.

Glassboro

Suboffice of Trenton, N. J., office, Division of Japanese Beetle Control.—Main and High Streets. Telephone, Glassboro 228. L. D. GRAY, agent, in charge.

Enforcement of the Japanese beetle quarantine in southern New Jersey, including inspection and certification service and supervision of nursery and greenhouse scouting. Both Federal and State corn borer certification is rendered by inspectors in this area.

In cooperation with the State department of agriculture.

Hoboken

Laboratory, Division of Foreign Parasite Introduction.—209 River Street. T. R. GARDNER, entomologist, in charge.

Receiving station for parasite shipments of foreign origin; rearing out under quarantine conditions and transmitting pure colonies of parasites to field stations of the several divisions.

Laboratory, Division of Foreign Parasite Introduction.—209 River Street. HAROLD A. JAYNES, entomologist, in charge.

Effect of artificial control practices on natural enemies. (Under special research fund.)

Office, Division of Foreign Plant Quarantines.—209 River Street. Telephone, Hoboken 3–2100 and 3–2101. GEORGE G. BECKER, senior entomologist, in charge.

Enforcement of foreign plant quarantines.

Moorestown

Sublaboratory of Toledo, Ohio, laboratory, Division of Cereal and Forage Insect Investigations.—Laboratories, Flynn Avenue and Park Boulevard, just off Camden-Mount Holly Pike. P. O. Box 150. Telephone, 854, extension 13. C. A. CLARK, associate entomologist, in charge.

Surveys of European corn borer distribution and abundance. Storage, emergence, and distribution of imported European corn borer parasites.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture.

Laboratory, Division of Fruit Insect Investigations.—Flynn Avenue and Park Boulevard, just off Camden-Mount Holly Pike, west of town. P. O. Box 150. Telephone, 854. C. H. HADLEY, principal entomologist, in charge.

Investigations relating chiefly to the Japanese beetle, the major lines being biological studies, control studies, and parasite studies; also investigations relating to the Asiatic beetles,

chiefly the Asiatic garden beetle, including control and parasite studies.

In cooperation with the New Jersey Agricultural Experiment Station, the Maryland Agricultural Experiment Station, and the Pennsylvania State Department of Agriculture.

Laboratory, Division of Fruit Insect Investigations.—Just off Camden-Moorestown Pike, west of town. P. O. Box 150. Telephone, 854. H. W. ALLEN, entomologist, in charge.

Study of parasites of the oriental fruit moth; breeding of parasite species from foreign countries; colonization of parasites in new areas, recovery surveys following colonization, in cooperation with State agencies.

Laboratory, Division of Insecticide Investigations.—Flynn Avenue and Park Boulevard. P. O. Box 150. Telephone, 854. R. D. CHISHOLM, chemist, in charge.

Chemical development of insecticides for Japanese beetle control. Investigations of soil treatment with lead arsenate for control of grubs.

Morristown

Laboratory, Division of Forest Insect Investigations.—8 Whippany Road. Telephone, Morristown 4–0373. C. W. COLLINS, senior entomologist, in charge.

Study of possible insect vectors of the Dutch elm disease, including not only the introduced and native elm bark beetles but all other insects which may be instrumental in transmitting the disease, and of methods of treating elm trees so as to render them unsuitable for breeding material for such insects. Studies of some shade-tree insects.

In cooperation with the Bureau of Plant Industry and the Dutch elm disease eradication organization of the United States Department of Agriculture, and various State agencies in the infected area.

Trenton

Office, Division of Japanese Beetle Control.—Yardville Pike, White Horse. P. O. Box 1. Telephone, 6261 and 6262. J. H. HARMAN, assistant entomologist, in charge.

Enforcement of the Japanese beetle quarantine in New Jersey, including the supervision of inspection and certification, nursery and greenhouse scouting, and chemical treatments of quarantined articles. Both Federal and State corn borer certification is rendered by the inspectors under the supervision of the Trenton headquarters.

In cooperation with the State department of agriculture.

Laboratory, Division of Control Investigations.—Yardville Pike, White Horse. P. O. Box 1. Telephone, 6261 and 6262. H. C. DONOHOE, associate entomologist, in charge.

Treatment tests, Japanese beetle control.

NEW MEXICO

Carlsbad

Suboffice of El Paso, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—200 Block, West Canyon Street. P. O. Box 784. Telephone, 513–W. B. C. GRAHAM, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in the Pecos Valley of New Mexico.

In cooperation with the New Mexico plant quarantine officer.

Las Cruces

Suboffice of El Paso, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—P. O. Box 849. R. R. ROSA, assistant plant quarantine inspector, in charge.

Quarantine operations against pink bollworm in New Mexico.

Portales

Suboffice of Lubbock, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—P. O. Box 687. F. M. WILSON, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in eastern New Mexico and in a part of western Texas.

Roswell

Suboffice of El Paso, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—Room 340, Federal Building. P. O. Box 845. Telephone, 457. W. F. RICE, assistant plant quarantine inspector, in charge.

Pink bollworm quarantine operations in the Pecos Valley of New Mexico.

NEW YORK

Albany

Office, cooperating with Division of Gypsy Moth and Browntail Moth Control, Greenfield, Mass.—State Conservation Department, 488 Broadway. Telephone, 5–4733. H. L. MCINTYRE, collaborator, in charge.

State leadership in cooperative control of the gypsy moth in New York.

Suboffice of Cambridge, Mass., office, Division of Plant Disease Control.—New York State Conservation Department, Arcade Building, 448 Broadway. Telephone, 5–4733. H. L. McIntyre, collaborator, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in New York by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State conservation department and the State agricultural college, extension division.

Babylon

Laboratory, Division of Truck Crop and Garden Insect Investigations.—Rubino Estate, North Deer Park Avenue. P. O. Box 786. Telephone, 307. F. S. Blanton, assistant entomologist, in charge.

Investigations of the biology and control of the bulb insects and the insect vectors of narcissus mosaic; hot-water and vapor-heat treatments for bulb nematode.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture.

Boonville

District office of Albany, N. Y., suboffice, Division of Plant Disease Control.—Schuyler Street. Telephone, 18–J. T. P. Woolschlager, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Boonville district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Buffalo

Suboffice of New York, N. Y., office, Division of Domestic Plant Quarantines.—310 Federal Building. Telephone, Cleveland 2855. M. J. Sawyer, Jr., agent, in charge.

Transit-inspection activities.

Office, Division of Foreign Plant Quarantines.—Room 310, Federal Building. Telephone, Cleveland 2855. F. G. Inman, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Geneva

Laboratory, Division of Fruit Insect Investigations.—New York Agricultural Experiment Station. Wm. Machado, agent, in charge.

Studies of reaction of codling moth to light and control by the use of light traps.

In cooperation with the New York State Agricultural Experiment Stations at Geneva and Ithaca.

Gloversville

District office of Albany, N. Y., suboffice, Division of Plant Disease Control.—Farm Bureau Office, 99 North Main Street. Telephone, 3050. J. W. CHARLTON, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Gloversville district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Hyde Park

District office of Albany, N. Y., suboffice, Division of Plant Disease Control.—Zepf Building, West Market Street. Telephone, 84. H. G. STRAIT, assistant plant pathological inspector, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Hyde Park district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Ithaca

District office of Albany, N. Y., suboffice, Division of Plant Disease Control.—Fernow Hall, Cornell University. Telephone, 2459. C. B. KRESGE, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Ithaca district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Malone

District office of Albany, N. Y., suboffice, Division of Plant Disease Control.—Room 3, Post Office Building. Telephone, 369–J. H. W. HOLCOMB, chief scientific aide, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Malone district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

New York

Office, Division of Domestic Plant Quarantines.—Room 836–B, Federal Building, 641 Washington Street. Telephone, Canal 6–4000, extension 293. E. A. BURNS, associate plant quarantine inspector, in charge.

Inspection of express, parcel post, and freight moving from, to, and through New York City, for the enforcement of domestic plant quarantines. Headquarters for transit-inspection activities in the New England States and in New York and Pennsylvania.

In cooperation with the New York State Department of Agriculture and Markets.

Office, Division of Foreign Plant Quarantines.—Room 844, Federal Building, Christopher Street. Telephone, Canal 6–4000, extensions 359, 360, and 361. M. KISLIUK, Jr., senior plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Office, Division of Foreign Plant Quarantines.—Room 844, Federal Building, Christopher Street. Telephone, Canal 6–4000, extensions 359, 360, and 361. RICHARD FAXON, plant quarantine inspector, in charge.

Supervision of export certification in the Eastern States.

Office, Division of Japanese Beetle Control.—Room 838, Federal Building, 641 Washington Street. Telephone, Canal 6–4000, extensions 287 and 288. LELAND WOLFE, agent, in charge.

Enforcement of the Japanese beetle quarantine in southeastern New York and on Long Island, including supervision of inspection and certification, and nursery and greenhouse scouting. Corn borer inspection service is also maintained in this area.

In cooperation with the State department of agriculture and markets.

Poughkeepsie

Laboratory, Division of Fruit Insect Investigations.—33 Marple Road. D. W. HAMILTON, assistant entomologist, in charge.

Investigations on the biology and control of codling moth and the apple maggot by insecticides and baits.

In cooperation with the New York agricultural experiment stations.

Office, Division of Japanese Beetle Control.—33 Academy Street. Telephone, Poughkeepsie 4238. J. F. WOOTTEN, chief scientific aide, in charge.

State leader in scouting for and cooperating with the State in the eradication of the Dutch elm disease.

In cooperation with the State department of agriculture and markets.

Saratoga Springs

District office of Albany, N. Y., suboffice, Division of Plant Disease Control.—The Arcade, Room E, 376 Broadway. Telephone, 724–J. P. E. BARBER, chief scientific aide, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Saratoga Springs district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other agencies.

Schoharie

District office of Albany, N. Y., suboffice, Division of Plant Disease Control.—County Courthouse. Telephone, 153. H. J. MCCASLAND, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Schoharie district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other agencies.

Syracuse

Office, Division of Japanese Beetle Control.—Room 200, 2507 James Street. Telephone, 2–7394. H. B. WARD, agent in charge.

Enforcement of the Japanese beetle quarantine in northern and central New York, including supervision of inspection and certification, and nursery and greenhouse scouting. Joint corn borer inspection service is also maintained in this area.

In cooperation with the State department of agriculture and markets.

Warrensburg

District office of Albany, N. Y., suboffice, Division of Plant Disease Control.—Care of Warren County Farm Bureau. Telephone, 66. N. H. HARPP, chief scientific aide, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Warrensburg district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

NORTH CAROLINA

Asheville

Laboratory, Division of Forest Insect Investigations.—223 Federal Building. Telephone, 3131. B. H. WILFORD, associate entomologist, in charge.

Studies of the bark beetles affecting southern pines; protection of forest products from insect attack; control and prevention of injury by termites and powder-post beetles to forest products.

In cooperation with National Forest Service, private individuals and organizations, and with the Bureau of Plant Industry, United States Department of Agriculture.

Suboffice of Richmond, Va., office, Division of Plant Disease Control.—Room 604 County Courthouse. Telephone, 1–408. H. B. TEAGUE, agent, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in North Carolina by the eradication of wild and cultivated currant and gooseberry bushes.

In cooperation with State department of agriculture.

Oxford

Laboratory, Division of Truck Crop and Garden Insect Investigations.—Tobacco Research Laboratory Building, adjacent to Oxford Test Farm, approximately 1 mile southwest of Oxford on Providence Road. P. O. Box 1011. Telephone, 537. C. F. STAHL, entomologist, in charge.

Research relating to insects on the growing flue-cured tobacco plant and the tobacco moth in growers' packhouses.

In cooperation with North Carolina Agricultural Experiment Station, the North Carolina Department of Agriculture, and the Bureau of Plant Industry of the United States Department of Agriculture.

Spencer

Laboratory, Division of Fruit Insect Investigations.—601 Carolina Avenue. P. O. Box 518. Telephone, Salisbury 190. I. M. HAWLEY, associate entomologist, in charge.

Headquarters for the study of the Japanese beetle in the outer zone of spread, under conditions of isolated and light infestation.

In cooperation with the Division of Japanese Beetle Control and with State agencies.

NORTH DAKOTA

Fargo

Office, Division of Plant Disease Control.—Room 206, Federal Building. P. O. Box 1609. Telephone, 8522. G. C. Mayoue, associate pathologist, in charge.

Field direction and general supervision of cooperative program to locate and destroy the common barberry, which spreads black stem rust to small-grain crops in North Dakota and Montana.

In cooperation with the State agricultural college, State department of agriculture, and independent agricultural organizations.

Minot

Suboffice of Denver, Colo., office, Division of Domestic Plant Quarantines.—303 Union National Bank Annex. P. O. Box 398. Telephone, 1591. L. G. Davis, field supervisor, in charge.

Regional headquarters for grasshopper control program on range, abandoned, and idle lands in North Dakota where emergency outbreaks of migratory species occur; also headquarters for Mormon cricket operations.

OHIO

Cincinnati

Suboffice of Chicago, Ill., office, Division of Domestic Plant Quarantines.—318 Post Office Annex, Liberty and Dalton Streets. Telephone, Hancock 4423. E. J. McNerney, agent, in charge.

Transit inspection of express, parcel post, and freight moving from, to, and through Cincinnati, for the enforcement of domestic plant quarantines.

Columbus

Office, Division of Plant Disease Control.—Room 449, Post Office Building. P. O. Box 746. Telephone, Adams 9131, extension 281. Harry Atwood, associate pathologist, in charge.

Field direction and general supervision in Ohio of cooperative program to locate and destroy the common barberry which spreads black stem rust to small-grain crops.

In cooperation with college of agriculture, Ohio State University, State department of agriculture, and independent agricultural agencies.

Laboratory, Division of Truck Crop and Garden Insect Investigations.—151 West Eleventh Avenue. Telephone, University 9910. N. F. Howard, senior entomologist, in charge.

Investigations of insecticides for the control of the more common insects affecting vegetables, such as the tomato fruitworm, the bean beetle, the bean leaf hopper, and sucking plant bugs.

In cooperation with Ohio State University.

Laboratory, Division of Forest Insect Investigations.—3225 East Mound Street. P. O. Box 156. Telephone, Evergreen 7849. D. E. Parker, entomologist, in charge.

Investigations of insects which may act as vectors of the phloem necrosis disease of elm. This disease is believed to be caused by a virus and insects are suspected as being responsible for its spread from tree to tree.

In cooperation with the Division of Forest Pathology of the Bureau of Plant Industry, Ohio State University, and Ohio Agricultural Experiment Station.

Euclid

Suboffice of Pittsburgh, Pa., office, Division of Japanese Beetle Control.—21065 Euclid Avenue. Telephone, Ivanhoe 6771. Josh Randolph, junior entomological inspector, in charge.

In charge of Japanese beetle quarantine and European corn borer certification activities in Ohio.

Sandusky

Laboratory, Division of Fruit Insect Investigations.—Bliss Building, 409 Columbus Avenue. Telephone, M-491-J. G. A. Runner, associate entomologist, in charge.

Headquarters for studies of life history, habits, and control of grape insects, including the grape berry moth and its possible control by substitute materials for lead arsenate and by cultural practices; control measures for grape root worm and for leaf hoppers.

In cooperation with the Bureau of Agricultural Engineering, United States Department of Agriculture, and State agricultural experiment station.

Toledo

Laboratory, Division of Cereal and Forage Insect Investigations.—1920 Parkwood Avenue. Telephone, Adams 4017. W. A. Baker, senior entomologist, in charge.

Headquarters for European corn borer investigations. Biological, ecological, and control studies, including fluctuations in

intensity and distribution of the borer, studies of corn characteristics in relation to their inhibiting borer development on various corn strains, and utilization of parasites as one of the natural factors of borer control; hibernation studies of corn ear worm.

In cooperation with Bureaus of Agricultural Chemistry and Engineering and Plant Industry of the United States Department of Agriculture, the Connecticut Agricultural Experiment Station, the Massachusetts Agricultural Experiment Station, the Virginia Truck Experiment Station, and the Dominion and Provincial entomologists of Canada.

Wooster

Laboratory, Division of Fruit Insect Investigations.—Ohio Agricultural Experiment Station. R. B. NEISWANDER, agent, in in charge.

Studies of parasites of the oriental fruit moth.

In cooperation with the Ohio Agricultural Experiment Station.

Suboffice of Milwaukee, Wis., office, Division of Plant Disease Control.—State Agricultural Experiment Station. Telephone, 39. O. J. DOWD, assistant pathologist, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Ohio by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Ohio Agricultural Experiment Station, division of plant industry, Ohio State Department of Agriculture, and the State forester.

OREGON

Corvallis

Laboratory, Division of Fruit Insect Investigations.—Oregon Agricultural Experiment Station. S. C. JONES, agent, in charge.

Biology and control of pear thrips on prunes.

In cooperation with the Oregon Agricultural Experiment Station.

Eugene

Laboratory, Division of Fruit Insect Investigations.—1701 Riverview Avenue. P. O. Box 346. Telephone, 3239. S. M. DOHANIAN, associate entomologist, in charge.

Filbert-insect investigations, including studies of the biology, habits, and host-plant relations of the filbert worm, as a basis for control measures.

Forest Grove

Laboratory, Division of Cereal and Forage Insect Investigations.—312 Gales Creek Road. P. O. Box 278. Telephone, 198–W. L. P. Rockwood, entomologist, in charge.

The pea aphid and other insect pests of leguminous forage and seed crops, including the vetch bruchid, grasshoppers under range conditions, entomogenous fungi, and miscellaneous pests of grains and grasses are studied.

In informal cooperation with Oregon and Washington Agricultural Experiment Stations.

Laboratory, Division of Truck Crop and Garden Insect Investigations.—312 Gales Creek Road. P. O. Box 278. Telephone, 198–W. J. C. Chamberlain, associate entomologist, in charge.

Investigations of the pea weevil as a pest of garden and Austrian peas.

In cooperation with the Oregon Experiment Station.

Medford

Suboffice of Oakland, Calif., office, Division of Plant Disease Control.—Office and Warehouse, 103 South Front Street. Telephone, Medford 351. Conrad P. Wessela, associate forester, in charge.

State leader in cooperative control of white pine blister rust on important white pine areas in Oregon by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service, National Park Service, the State of Oregon, pine owners, and other local agencies.

Portland

Office, Division of Foreign Plant Quarantines.—Room 439, United States Courthouse, 620 S. W. Main Street. Telephone, Atwater, 6171, extension 607. T. J. Baker, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and supervision of export certification of plants and plant products for the Western States.

Laboratory, Division of Forest Insect Investigations.—Room 445, United States Courthouse, Sixth and Main Streets. Telephone, Atwater 6171, extension 632. F. P. Keen, senior entomologist, in charge.

Supervision of bark-beetle survey and control projects in Oregon and Washington. Studies of the western pine beetle, mountain pine beetle, carpenter ant, and other insects, and methods of control. Special studies of climatic factors influencing the abundance of bark beetles and the rise and fall of epidemics.

In cooperation with National Forest Service, National Park Service, Office of Indian Affairs, State forestry department, and organizations of private owners of forest land.

Laboratory, Division of Insects Affecting Man and Animals.—Room 440, United States Courthouse, 620 S. W. Main Street. E. F. KNIPLING, associate entomologist, in charge.

Biology and control of mosquitoes in the Pacific Northwest.

PENNSYLVANIA

Bethlehem

Office, Division of Japanese Beetle Control.—1401 Broadway. Telephone, Bethlehem 5724. I. W. BETTS, agent, in charge.

State leader in scouting for and cooperating with the State in the eradication of the Dutch elm disease.

In cooperation with the State department of agriculture.

Brookville

District office of Harrisburg, Pa., suboffice, Division of Plant Disease Control.—Arthurs Building, Main Street. Telephone, 300–W. MARCO J. DEBERTI, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Brookville district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Carlisle

Laboratory, Division of Cereal and Forage Insect Investigations.—624 West Louther Street. Telephone, Carlisle 989–J. C. C. HILL, associate entomologist, in charge.

Headquarters for the study of the insect parasites of the hessian fly and for the study of the host insect under eastern soft-wheat cultural conditions; the sawflies of wheat, and the vetch bruchid in Eastern States.

In cooperation with the State universities and agricultural experiment stations of New York, Ohio, Pennsylvania, Delaware, Maryland, Virginia, and North Carolina.

Clearfield

District office of Harrisburg, Pa., suboffice, Division of Plant Disease Control.—Room 14, Post Office Building. P. O. Box 311. P. H. SIMMONDS, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Clearfield district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Harrisburg

Suboffice of Philadelphia, Pa., office, Division of Japanese Beetle Control.—Room 303, Post Office Building. Telephone, Harrisburg 2–9366. F. G. WINN, field supervisor in insect control, in charge.

Enforcement of the Japanese beetle quarantine in central Pennsylvania, including supervision of inspection and certification, and nursery and greenhouse scouting. Corn borer inspection service is also maintained in the New Cumberland area.

In cooperation with the State department of agriculture.

Suboffice of Boston, Mass., office, Division of Plant Disease Control.—Room 410 Educational Building, Department of Forests and Waters. Telephone, 5151, extension 388. R. P. FATZINGER, associate pathologist, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Pennsylvania by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State department of forests and waters, bureau of forest protection, and State department of agriculture, bureau of plant industry.

Philadelphia

Suboffice of New York, N. Y., office, Division of Domestic Plant Quarantines.—Room 601, Customhouse. Telephone, Market 6000, extension 24. M. E. CONNELLY, assistant pathologist, in charge.

Checking plant material in post offices and express stations for the enforcement of domestic quarantine regulations.

Office, Division of Foreign Plant Quarantines.—Room 601, Customhouse. Telephone, Market 6000, extension 24, and Main 2401, extension 85. R. D. KENNEDY, plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Office, Division of Japanese Beetle Control.—6905 Torresdale Avenue. Telephone, Mayfair 1221. G. B. STICHTER, agent, in charge.

Enforcement of the Japanese beetle quarantine in the eastern third of Pennsylvania, including supervision of inspection and certification, and nursery and greenhouse scouting. A joint inspection service is also maintained in the Philadelphia area for corn borer.

In cooperation with the State department of agriculture.

Pittsburgh

Suboffice of New York, N. Y., office, Division of Domestic Plant Quarantines.—Room 438–L, Central Post Office Building. Telephone, Hemlock 7392. J. W. KELLEY, II, assistant plant quarantine inspector, in charge.

Transit inspection of express, parcel post, and freight moving from, to, and through Pittsburgh, for the enforcement of domestic plant quarantine regulations.

Office, Division of Japanese Beetle Control.—Room 438 K, New Post Office Building. Telephone, Grant 0–800, extension 396. J. K. GOULD, agent, in charge.

Enforcement of the Japanese beetle quarantine in the western third of Pennsylvania, including supervision of inspection and certification, and nursery and greenhouse scouting. Corn borer inspection service is also maintained in the Pittsburgh district.

In cooperation with the State department of agriculture.

State College

Office, Division of Plant Disease Control.—303 Botany Building. Telephone, State College 711, extension 291. P. O. Box 220. L. KENNETH WRIGHT, associate plant pathological inspector, in charge.

Field direction and general supervision in Pennsylvania of cooperative program to locate and destroy the common barberry, which spreads black stem rust to small-grain crops.

In cooperation with State College of Agriculture, Pennsylvania State Department of Agriculture, and independent agricultural agencies.

Towanda

District office of Harrisburg, Pa., suboffice, Division of Plant Disease Control.—Room 8, Mercur Block, Main Street. T. C. WILLIAMS, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Towanda district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Wilkes-Barre

Suboffice of Greenfield, Mass., office, Division of Gypsy Moth and Brown-tail Control.—354 North River Street. Telephone, Wilkes-Barre 3–0316. C. T. DAVIS, administrative assistant, in charge.

Field control office for the Pennsylvania infestation of the gypsy moth. The work covers the control and eradication of

the moth in an area embracing some 1,020 square miles, together with the enforcement of State quarantine.

In cooperation with the State department of agriculture and department of forests and waters.

PUERTO RICO

Aguadilla

Suboffice of San Juan office, Division of Foreign Plant Quarantines.—Munez Rivera Street, No. 32. P. O. Box 701. AUGUSTIN COLLAZO, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with the Insular department of agriculture and commerce.

Arecibo

Suboffice of San Juan office, Division of Foreign Plant Quarantines.—Barrio Hato Abajo. P. O. Box 261. Telephone, 703 Blue. LUIS F. CORREA, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with the Insular department of agriculture and commerce.

Arroyo

Suboffice of San Juan office, Division of Foreign Plant Quarantines.—Ashford 52, Bruno Corner. P. O. Box 363, Guayama. EMILIO GAUTIER, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with the Insular department of agriculture and commerce.

Fajardo

Suboffice of San Juan office, Division of Foreign Plant Quarantines.—United States Customhouse. P. O. Puerto Real. Telephone, 202. J. A. MARTINEZ, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with Insular department of agriculture and commerce.

Guanica

Suboffice of San Juan office, Division of Foreign Plant Quarantines.—South Puerto Rico Sugar Co. Dock. P. O. Box 45. N. A. SALA, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with Insular department of agriculture and commerce.

Mayaguez

Suboffice of San Juan office, Division of Foreign Plant Quarantines.—United States Experiment Station. P. O. Box 501. Telephone, 360. PEDRO TOLOSA, collaborator, in charge.

Enforcement of foreign plant quarantines.

Laboratory, Division of Fruitfly Investigations.—Puerto Rico Agricultural Experiment Station, Office of Experiment Stations, United States Department of Agriculture. P. O. Box 411. Telephone, 1501. J. W. BALOCK, associate entomologist, in charge.

Investigations of the biology and host-fruit relations of the Puerto Rican fruitflies, their control in fruit by the vapor-heat process and by refrigeration, their control by the use of sprays, and the use of lure materials for a measure of populations in groves.

In cooperation with the agricultural experiment station, United States Department of Agriculture.

Ponce

Suboffice of San Juan office, Division of Foreign Plant Quarantines.—Marina Street, No. 17. P. O. Box 1786. Telephone, 580. M. A. BOFILL, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with the Insular department of agriculture and commerce.

San Juan

Office, Division of Foreign Plant Quarantines.—New Federal Building. LUIS A. CATONI, chief plant quarantine inspector, Insular Department of Agriculture and Commerce, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with the Insular Department of Agriculture and Commerce.

Office, Division of Foreign Plant Quarantines.—205 New Federal Building. P. O. Box 3386. Telephone, San Juan 1617. F. A. JOHNSTON, plant quarantine inspector, in charge.

Supervision of the Division's activities in Puerto Rico and the Virgin Islands, involving enforcement of foreign plant quarantines, enforcement of Quarantine No. 58, and inspection and certification of plants and plant products for export.

RHODE ISLAND

Providence

Suboffice of Cambridge, Mass., office, Division of Plant Disease Control.—Room 310, State House. Telephone, Dexter 2360. A. C. WHITE, agent, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Rhode Island by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State department of agriculture and the State college, extension service.

SOUTH CAROLINA

Charleston

Office, Division of Foreign Plant Quarantines.—Room 16, Customhouse, East Bay and Market Streets. Telephone, 2-1865. R. W. NICAISE, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Laboratory, Division of Truck Crop and Garden Insect Investigations.—South Carolina Truck Experiment Station, 7 miles west of Charleston on U. S. Highway No. 17. P. O. Box 324. Telephone, 731. W. J. REID, JR., assistant entomologist, in charge.

Investigations of cabbage insects.

In cooperation with the State agricultural experiment station.

Florence

Laboratory, Division of Cotton Insect Investigations.—Pee Dee Substation of the South Carolina Agricultural Experiment Station, 2 miles north of Florence on U. S. Highway No. 52. P. O. Box 271. Telephone, 1286-J. F. F. BONDY, entomologist, in charge.

Boll weevil control under South Carolina conditions; methods of preventing or reducing arsenical injury to soils; boll weevil parasites; cotton leaf aphid control; life history, habits, and control of root aphids and thrips on cotton.

In cooperation with the South Carolina Agricultural Experiment Station.

Laboratory, Division of Truck Crop and Garden Insect Investigations.—Pee Dee Substation of the South Carolina Agricultural Experiment Station, 2 miles north of Florence on U. S. Highway No. 601. P. O. Box 217. Telephone, 1286-J. NORMAN ALLEN, associate entomologist, in charge.

Investigations of insects affecting flue-cured tobacco.

In cooperation with South Carolina Agricultural Experiment Station.

Spartanburg

Suboffice of the Little Rock, Ark., office, Division of Domestic Plant Quarantines.—Box 591. Telephone, 7. ROBERT W. SANDERS, agent, in charge.

Control and eradication of phony peach disease.

SOUTH DAKOTA

Brookings

Office. Division of Plant Disease Control.—Box 66, State College Station. Telephone, 139–W. GEORGE W. EADE, assistant pathologist, in charge.

Field direction of cooperative program in South Dakota to locate and destroy the common barberry, which spreads black stem rust to small-grain crops.

In cooperation with the State college of agriculture, the State department of agriculture, and independent agricultural agencies.

Huron

Suboffice of Denver, Colo., office, Division of Domestic Plant Quarantines.—52 Third Street, S. W., Suites 10 and 11, Knights of Pythias Building. P. O. Box 832. Telephone, 822. R. BYRNE THRAILKILL, area supervisor, in charge.

Regional headquarters for grasshopper control program on range, abandoned, and idle lands in South Dakota where emergency outbreaks of migratory species occur, as well as Mormon cricket control operations.

TENNESSEE

East Chattanooga

Laboratory, Division of Fruit Insect Investigations.—700 North Crest Road. P. O. Box 5038, East Chattanooga. Telephone, Chattanooga 2–3245. WM. F. TURNER, entomologist, in charge.

Headquarters for survey of insects in peach orchards where the phony peach disease occurs under conditions of natural spread; studies of possible insect vectors of the phony peach disease.

In cooperation with the Division of Domestic Plant Quarantines.

Suboffice of Little Rock, Ark., office, Division of Domestic Plant Quarantines.—700 North Crest Road. P. O. Box 5038. C. V. WALTON, agent, in charge.

Supervision of activities for the control and eradication of the phony peach disease in North Carolina and Tennessee.

Clarksville

Laboratory, Division of Truck Crop and Garden Insect Investigations.—642 Greenwood Avenue. P. O. Box 126. Telephone, 1168. L. B. SCOTT, assistant entomologist, in charge.

Investigations in the control of insects injurious to burley and dark fire-cured types of tobacco, including a study of the attraction of the hornworm moths to chemicals.

Knoxville

Suboffice of Richmond, Va., office, Division of Plant Disease Control.—Room 307, Federal Building. Telephone, 2–1813. R. D. TANKSLEY, agent, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Tennessee by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State forester, State entomologist, and State department of agriculture.

Memphis

Suboffice of Washington, D. C., office, Division of Domestic Plant Quarantines.—Room 104 DeSoto Post Office. Telephone, 5–3993. F. P. HUBERT, junior plant quarantine inspector, in charge.

Transit inspection of parcel post, express, and freight for enforcement of domestic plant quarantines.

TEXAS

Alamo

Suboffice of Pharr, Tex., office, Division of Mexican Fruitfly Control.—Johnson Building, West Avenue and Main Street. P. O. Box 1056. Telephone, 210. F. W. HAUGHTON, agent, in charge.

Enforcement of quarantine regulations on the Mexican fruitfly.

Alice

Suboffice of Corpus Christi, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—Room 1, Alice Bank and Trust Company Annex. P. O. Box 482. Telephone, 970. F. D. BITTNER, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in Texas.

In cooperation with the State department of agriculture.

Alpine

Office, Division of Pink Bollworm and Thurberia Weevil Control.—217 Fuller Building. P. O. Box 840. Telephone, 30. L. D. HARRIS, plant quarantine inspector, in charge.

Headquarters for pink bollworm quarantine operations in all western Texas under quarantine, except the El Paso Valley and the Texas Panhandle.

In cooperation with the State department of agriculture.

Amarillo

Suboffice of the Grasshopper Control Project, Denver, Colo., office, Division of Domestic Plant Quarantines.—306 Rule Building, Third and Polk Streets. Telephone, 21927. JOHN M. LANDRUM, agent, in charge.

This suboffice of the Denver field headquarters of the Grasshopper Control Project is maintained for the purpose of carrying out, under Federal supervision and with Federal funds, grasshopper control activities on idle and abandoned lands in the migratory areas of Texas, New Mexico, and Oklahoma, which will include the employment of necessary truck drivers, labor foremen, bait-spreader operators and helpers, and bait-spreader units. These activities will necessitate the maintaining of personnel records, property records, time sheets, and accomplishments of work.

Beaumont

Sublaboratory of Manhattan, Kans., laboratory, Division of Cereal and Forage Insect Investigations.—Room 303, New Post Office Building, Liberty and Willow Streets. P. O. Box 2967. Telephone, 2420. A. I. BALZER, assistant entomologist, in charge.

Investigations of the insects attacking stored rice in mills and warehouses.

In cooperation with the Bureau of Plant Industry and the State agricultural experiment station.

Big Spring

Suboffice of Lubbock, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—512 Petroleum Building. P. O. Box 269. G. W. CHOWNS, associate plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in Texas.

In cooperation with the State department of agriculture.

Brownfield

Suboffice of Lubbock, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—P. O. Box 192. O. L. Walton, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in Texas. In cooperation with the State department of agriculture.

Brownsville

Sublaboratory of the Presidio, Tex., laboratory, Division of Cotton Insect Investigations.—503 North Elizabeth Street. P. O. Box 602. Telephone, North 758. L. C. Fife, assistant entomologist, in charge.

Investigations of the life history, distribution, host plants, and control of the pink bollworm.

In cooperation with the State agricultural experiment station and the Division of Pink Bollworm and Thurberia Weevil Control.

Office, Division of Foreign Plant Quarantines.—United States Fumigation Plant. P. O. Box 909. Telephone, 315. O. D. Deputy, senior plant quarantine inspector, supervisor, Mexican border, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Office, Division of Foreign Plant Quarantines.—United States Fumigation Plant. P. O. Box 909. Telephone, 315. R. B. Lattimore, plant quarantine inspector, supervisor, Mexican Border District No. 1, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Office, Division of Mexican Fruitfly Control.—Chamber of Commerce Building. P. O. Box 746. Telephone, 624. A. V. Smith, associate plant quarantine inspector, in charge.

Enforcement of quarantine regulations on the Mexican fruitfly.

Suboffice of McAllen, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—843 East Elizabeth Street. P. O. Box 385. Telephone, 327. Harold E. Welker, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in Texas. In cooperation with the State department of agriculture.

Brownwood

Laboratory, Division of Fruit Insect Investigations.—Highway 10, Jim Hogg Boulevard, just south of Brownwood waterpump station. P. O. Box 209. C. B. NICKELS, associate entomologist, in charge.

Investigations on pecan insects, including control of the pecan nut casebearer; biology and control of borers that attack top-worked pecan trees.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture.

Sublaboratory of San Bernardino, Calif., laboratory, Division of Fruit Insect Investigations.—United States Bureau of Plant Industry, Experiment Station, Old Comanche Road (½ mile northeast from east termination of South Broadway). P. O. Box 745. Telephone, 1309. LAURENCE S. JONES, assistant entomologist, in charge.

Study of relation of insects to transmission of peach mosaic and other pecan diseases.

In cooperation with the Bureau of Plant Industry of the United States Department of Agriculture.

Carrizo Springs

Office, Division of Mexican Fruitfly Control.—Courthouse Building. W. V. AUSMUS, collaborator, in charge.

Enforcement of quarantine regulations on the Mexican fruitfly.

In cooperation with the State department of agriculture.

Corpus Christi

Office, Division of Pink Bollworm and Thurberia Weevil Control.—641 Nixon Building. Telephone, 9-042. J. C. WOODWARD, plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in the Coastal Bend area of Texas, comprising the counties of Brooks, Jim Hogg, Duval, Nueces, Dimmit, Frio, Zavala, Jim Wells, Kleberg, LaSalle, Maverick, Zapata, and Webb.

In cooperation with the State department of agriculture.

Dallas

Suboffice of Little Rock, Ark., office, Division of Domestic Plant Quarantines.—Bureau of Entomology and Plant Quarantine Laboratory, 1610 East Eighth Street. Telephone, Dallas 9-9726. J. N. RUMPH, agent, in charge.

Phony peach and peach mosaic control and eradication activities for the State of Texas.

Laboratory, Division of Insects Affecting Man and Animals.—1610 East Eighth Street. P. O. Box 208. E. W. LAAKE, senior entomologist, in charge.

Investigations of insects injurious to animals, especially the stable fly and horn fly. Studies in control of these pests by use of sprays, traps, and other methods.

Del Rio

Office, Division of Foreign Plant Quarantines.—International Bridge Landing. P. O. Box 1069. Telephone, 378. H. M. CELY, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Donna

Office, Division of Mexican Fruitfly Control.—Donna Hotel Building, 512 Hooks Street. P. O. Box 487. Telephone, 233. ROGER V. RAY, associate plant quarantine inspector, in charge.

District inspection and enforcement of quarantine regulations on the Mexican fruitfly.

Eagle Pass

Office, Division of Foreign Plant Quarantines.—Room 202, Federal Building. P. O. Box 438. Telephone, 52. G. H. RUSSELL, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Edinburg

Office, Division of Mexican Fruitfly Control.—Crumpler Building, 208 North Closner Street. P. O. Box 1110. Telephone, 18. C. O. GINGRASS, agent, in charge.

District inspection and enforcement of quarantine regulations on the Mexican fruitfly.

Suboffice of McAllen, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—Room 15, Courthouse Annex. P. O. Box 432. J. C. GAY, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in Texas. In cooperation with the State department of agriculture.

El Paso

Office, Division of Foreign Plant Quarantines.—127 United States Courthouse. Telephone, Main 2993. T. A. Arnold, plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Office, Division of Pink Bollworm and Thurberia Weevil Control.—206 United States Courthouse. Telephone, Main 3295. J. S. Brock, plant quarantine inspector, in charge.

Pink bollworm quarantine operations in southern New Mexico to the eastern boundary of Chaves, Dona Ana, Eddy, Grant, Hidalgo, Lea, Luna, Otero, Roosevelt, Sierra, Socorro, and Valencia Counties in New Mexico, and in the El Paso Valley of Texas.

In cooperation with the State departments of agriculture of Texas and New Mexico.

Fabens

Suboffice of El Paso, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—P. O. Box 27. J. B. Moore, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in Texas. In cooperation with the State department of agriculture.

Falfurrias

Office, Division of Mexican Fruitfly Control.—Courthouse Building. Telephone, 50. D. O. Sikes, agent, in charge.

District inspection and enforcement of quarantine regulations on the Mexican fruitfly.

Galveston

Office, Division of Foreign Plant Quarantines.—217–A, Customhouse, Seventeenth Street and Avenue B. P. O. Box 177. Telephone, 9713. R. L. Trigg, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Harlingen

Divisional Headquarters, Division of Mexican Fruitfly Control.—503 Rio Grande National Life Building. Telephone, 591 and 592. P. A. Hoidale, principal plant quarantine inspector, in charge.

Enforcement of the quarantine regulations on the Mexican fruitfly, involving the maintenance of a host-free period during

the summer months, the inspection of about 8,000,000 citrus trees, the certification of fruits leaving the quarantined area, and the employment of other regulatory measures looking to the eradication of this pest in the United States.

In cooperation with the State department of agriculture.

Office, Division of Mexican Fruitfly Control.—509 Rio Grande National Life Building. Telephone, 592. LEE R. DUBOIS, agent, in charge.

Enforcement of quarantine regulations on the Mexican fruitfly.

Identification laboratory, Division of Mexican Fruitfly Control.—421 South A Street. Telephone, 562. N. O. BERRY, senior entomologist, in charge.

Identification of fruitflies in connection with enforcement of Mexican fruitfly quarantine.

Laboratory, Division of Fruitfly Investigations.—Rio Grande National Life Building. L. C. MCALISTER, JR., entomologist, in charge.

Investigations of the Mexican fruitfly in Texas.

In cooperation with the Division of Mexican Fruitfly Control.

Warehouse and Mechanical Shop, Division of Mexican Fruitfly Control.—421 South A Street. Telephone, 562. G. MCD. DOUGLAS, agent, in charge.

Warehouse and mechanical shop in connection with enforcement of Mexican fruitfly quarantine.

Suboffice of McAllen, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—214–216 Embee Building. P. O. Box 406. Telephone, 616. E. HOBBS, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in Texas.

In cooperation with the State department of agriculture.

Hidalgo

Office, Division of Foreign Plant Quarantines.—Care of United States Customs, International Bridge. B. C. HOUSE, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Houston

Office, Division of Domestic Plant Quarantines.—615 New Federal Office Building. P. O. Box 4066. Telephone, Preston 4453. R. N. DOPSON, JR., agent, in charge.

Eradication of citrus canker disease from areas in Texas and Louisiana.

In cooperation with the Texas State Department of Agriculture and the Louisiana Department of Agriculture and Immigration.

Office, Division of Foreign Plant Quarantines.—Rooms 2 and 4, Jack West Building, 224 Broadway. P. O. Box 685. Telephone, Wayside 3435. H. C. MILLENDER, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Kingsville

Suboffice of Corpus Christi, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—P. O. Box 733. D. J. MARKWARDT, agent, in charge.

Quarantine operations against the pink bollworm in Texas. In cooperation with the State department of agriculture.

La Feria

Office, Division of Mexican Fruitfly Control.—119 North Main Street. P. O. Box 548. Telephone, 125. JOHN M. WORSHAM, agent, in charge.

District inspection and enforcement of quarantine regulations on the Mexican fruitfly.

Lamesa

Suboffice of Lubbock, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—P. O. Box 67. G. E. ORR, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in Texas. In cooperation with the State department of agriculture.

Laredo

Office, Division of Foreign Plant Quarantines.—Rooms 207 and 211, Federal Building. P. O. Box 277. Telephone, 862. J. B. R. LEARY, plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Office, Division of Mexican Fruitfly Control.—P. O. Box 2. GORDON H. SHINER, collaborator, in charge.

Enforcement of quarantine regulations on the Mexican fruitfly.

In cooperation with the State department of agriculture.

Suboffice of Corpus Christi, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—Room 237, Franklin Building. P. O. Box 141. T. P. MAPUS, agent, in charge.

Quarantine operations against the pink bollworm in Texas. In cooperation with the State department of agriculture.

Levelland

Suboffice of Lubbock, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—P. O. Box 47. (Temporarily vacant.)

Quarantine operations against the pink bollworm in Texas. In cooperation with the State department of agriculture.

Littlefield

Suboffice of Lubbock, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—P. O. Box 325. C. C. WEIGLE, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in Texas. In cooperation with the State department of agriculture.

Lubbock

Office, Division of Pink Bollworm and Thurberia Weevil Control.—209 Federal Building. P. O. Box 1615. Telephone, 293. H. B. PRICKETT, plant quarantine inspector, in charge.

Pink bollworm quarantine operations in the Texas Panhandle, embracing Andrews, Cochran, Concho, Crane, Dawson, Ector, Gaines, Glasscock, Hockley, Howard, Irion, Loving, Martin, Midland, Mitchell, Pecos, Reeves, Terry, Tom Green, Upton, Ward, Winkler, Yoakum, and parts of Bailey, Coke, and Lamb Counties, Tex., and Lea and Roosevelt Counties, N. Mex.

In cooperation with the State departments of agriculture of Texas and New Mexico.

McAllen

Office, Division of Mexican Fruitfly Control.—16 South Fifteenth Street. P. O. Box 1263. Telephone, 802. F. O. SWAN, associate plant quarantine inspector, in charge.

Enforcement of quarantine regulations on the Mexican fruitfly.

Office, Division of Pink Bollworm and Thurberia Weevil Control.—Room 11, Nassar Building. P. O. Box 671. Telephone, 663. D. M. MCEACHERN, plant quarantine inspector, in charge.

Headquarters for pink bollworm quarantine operations in the lower Rio Grande Valley, embracing Cameron, Hidalgo, Kenedy, Starr, and Willacy Counties.

In cooperation with the State department of agriculture.

Menard

Laboratory, Division of Insects Affecting Man and Animals.—P. O. Box 487. Telephone, 1605–F–3. E. C. CUSHING, senior entomologist, in charge.

Studies of screwworms and related flies under range conditions, investigations of goat lice, sheep head bot, and winter ticks.

Mercedes

Office, Division of Foreign Plant Quarantines.—Thayer International Bridge. Telephone, 6010–F3. L. R. DORLAND, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Office, Division of Mexican Fruitfly Control.—Central Office Building, 415 Third Street. Telephone 305. W. W. DECELI, associate plant quarantine inspector, in charge.

Enforcement of quarantine regulations on the Mexican fruitfly.

Midland

Suboffice of Lubbock, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—P. O. Box 1676. (Temporarily vacant.)

Quarantine operations against the pink bollworm in Texas In cooperation with the State department of agriculture.

Mission

Office, Division of Mexican Fruitfly Control.—901 North Dunlap Street. P. O. Box 845. Telephone, 488. LUTHER G. PEYLER, associate plant quarantine inspector, in charge.

Enforcement of quarantine regulations on the Mexican fruitfly.

Pecos

Suboffice of Alpine, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—306 Federal Building. P. O. Box 188. Telephone, 57. W. B. ROGERS, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in the Pecos Valley of Texas.

In cooperation with the State department of agriculture.

Pharr

Office, Division of Mexican Fruitfly Control.—Metzger Building, 520 Park Avenue. P. O. Box 266. Telephone, 15. WILLIAM P. PATTON, agent, in charge.

Enforcement of quarantine regulations on the Mexican fruitfly.

Port Arthur

Office, Division of Foreign Plant Quarantines.—205 Post Office and Customhouse. P. O. Box 227. Telephone, 9523. W. H. BASKIN, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Presidio

Laboratory, Division of Cotton Insect Investigations.—Wilson Street. 1½ blocks south of O'Reilly Street. (Reached by Southern Pacific R. R. to Marfa, Tex., and thence 65 miles south by bus to Presidio.) P. O. Box 879. Telephone, 14. A. J. CHAPMAN, entomologist, in charge.

Pink bollworm—introduction and colonization of foreign parasites; study of abundance, distribution, host relationships, and usefulness of native parasites; control by insecticides; cultural control; hibernation, and relation of temperature and moisture to survival.

In cooperation with the State agricultural experiment station.

Office, Division of Foreign Plant Quarantines.—Customhouse. Telephone, 40. J. H. RUSSELL, junior plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Suboffice of Alpine, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—P. O. Box 928. H. S. CAVITT, agent, in charge.

Quarantine operations against the pink bollworm in the Presidio section of the Big Bend and Ojinaga, Chihuahua, Mexico.

In cooperation with the State department of agriculture.

Raymondville

Office, Division of Mexican Fruitfly Control.—Wright Building, 413 East Hidalgo Street. P. O. Box 371. Telephone, 178. J. K. SMITH, agent, in charge.

Enforcement of quarantine regulations on the Mexican fruitfly.

Suboffice of McAllen, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—268 South Seventh Street. P. O. Box 706. W. E. GASSETT, chief scientific aide, in charge.

Quarantine operations against the pink bollworm in Texas. In cooperation with the State department of agriculture.

Rio Grande City

Suboffice of McAllen, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—H. H. Hotel. P. O. Box 214. Telephone, 114. TOM J. WATTS, agent, in charge.

Quarantine operations against the pink bollworm in Texas. In cooperation with the State department of agriculture.

Robstown

Suboffice of Corpus Christi, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—Room 2, State National Bank Building, P. O. Box 367. W. C. MAXWELL, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in Texas. In cooperation with the State department of agriculture.

Roma

Office, Division of Foreign Plant Quarantines.—Star County Bridge Company Building, International Bridge. P. O. Box 126. Telephone, 2. A. A. STALMACH, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

San Angelo

Suboffice of Lubbock, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—507 Rust Building. Telephone, 6338. H. L. ALFORD, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in Texas. In cooperation with the State department of agriculture.

San Antonio

Laboratory, Division of Bee Culture.—State Apicultural Research Laboratory, Route 1, Box 368. H. B. PARKS, collaborator, in charge.

Investigations on the resistance of honeybees to American foulbrood, with particular reference to the production of queens. In cooperation with the Texas Agricultural Experiment Station.

Divisional headquarters office, Division of Pink Bollworm and Thurberia Weevil Control.—Room 571, Federal Building. P. O. Box 798. Telephone, Fannin 7141, extension 275. R. E. McDONALD, principal administrative officer, in charge.

Supervision of all district and subdistrict offices and all quarantine and control work incident to the administration of the pink bollworm and Thurberia weevil quarantines.

In cooperation with the State departments of agriculture of the States concerned.

San Benito

Office, Division of Mexican Fruitfly Control.—Federal Building, 238 North Sam Houston Street. P. O. Box 7. Telephone 100. A. THOMAE, associate plant quarantine inspector, in charge.

Enforcement of quarantine regulations on the Mexican fruitfly.

Suboffice of McAllen, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—636 South Sam Houston Boulevard. P. O. Box 1963. H. J. HENDERSON, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in Texas. In cooperation with the State department of agriculture.

San Juan

Suboffice of Pharr, Tex., office, Division of Mexican Fruitfly Control. BURL STUGARD, agent, in charge.

Enforcement of quarantine regulations on the Mexican fruitfly.

Tyler

Suboffice of Gulfport, Miss., office, Division of Domestic Plant Quarantines.—P. O. Box 1058. M. BRUNSON, assistant entomologist, in charge.

Sweetpotato weevil control activities.

Uvalde

Sublaboratory of Menard, Tex., laboratory, Division of Insects Affecting Man and Animals.—224 Mulberry Street. P. O. Box 509. D. C. PARMAN, associate entomologist, in charge.

Investigations of screwworms and blowflies, with special attention to parasites and predators; effect of climatological and ecological conditions on these; chemotropism of blowflies; eye gnat investigations, biology, and control.

Waco

Laboratory, Division of Cotton Insect Investigations.—The South Circle, at intersection of U. S. Highways 77, 81, and 84 and State Highway 67. P. O. Box 1218. Telephone, 109. K. P. Ewing, entomologist, in charge.

Insecticidal tests, hibernation and parasite studies on the bollworm, cotton flea hopper, and boll weevil. Life history, habits, and cultural control of the flea hopper. Factors influencing abundance and damage to cotton of the bollworm. Study of effects of soil conservation practices on abundance and damage of cotton insects.

In cooperation with the Soil Conservation Service of the United States Department of Agriculture and the Texas Agricultural Experiment Station.

Weslaco

Office, Division of Mexican Fruitfly control.—120 East Fifth Street. P. O. Box 453. Telephone, 36. E. F. Pepper, associate plant quarantine inspector, in charge.

Enforcement of quarantine regulations on the Mexican fruitfly.

Suboffice of McAllen, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.—P. O. Box 131. Arthur B. Scharlach, agent, in charge.

Quarantine operations against the pink bollworm in Texas. In cooperation with the State department of agriculture.

URUGUAY

Montevideo

Laboratory, Division of Foreign Parasite Introduction.—2950 Calle Blanca del Tarabe. H. L. Parker, senior entomologist, in charge.

Investigations on the natural enemies of such pests as the white-fringed beetle, the sugarcane moth borer, the pink bollworm, and the boll weevil of cotton.

UTAH

Delta

Sublaboratory of the Tempe, Ariz., laboratory, Division of Cereal and Forage Insect Investigations.—Two blocks south, one-half block west of main business-street intersection. P. O. Box 565. F. V. Lieberman, assistant entomologist, in charge.

Investigations on insects affecting alfalfa seed.

In cooperation with Bureau of Plant Industry and State Agricultural Experiment Station.

Logan

Laboratory, Division of Truck Crop and Garden Insect Investigations.—224 Administration Building, Utah State Agricultural College. Telephone, 100, extension 73. H. E. Dorst, assistant entomologist, in charge.

Investigations on the beet leafhopper as a pest of beets, tomatoes, and other crops, and on the tomato fruit worm.

In cooperation with the Utah Agricultural Experiment Station.

VERMONT

Bellows Falls

District office of Montpelier, Vt., suboffice, Division of Plant Disease Control.—Room 253, Post Office Building. Telephone, 268–W. F. H. Rose, chief scientific aide, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Bellows Falls district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other agencies.

Montpelier

Suboffice of Greenfield, Mass., office, Division of Gypsy Moth and Browntail Moth Control.—Office of Department Entomologist, Department of Agriculture, State House. Telephone, 1500, extension 64. Harold L. Bailey, collaborator, in charge.

State leadership in cooperative control of the brown-tail moth in Vermont.

Suboffice of Cambridge, Mass., office, Division of Plant Disease Control.—Department of Conservation and Development, 89 State Street. Telephone, 1245. S. D. Conner, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in Vermont by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State forest service and the State agricultural college, extension division.

Rutland

Suboffice of Greenfield, Mass., office, Division of Gypsy Moth and Browntail Moth Control.—Kingsley Court. P. O. Box 283. Telephone, 1889. S. E. May, principal scientific aide, in charge.

Supervision of scouting and control work against the gypsy moth in Vermont.

In cooperation with the State of Vermont.

District office of Montpelier, Vt., suboffice, Division of Plant Disease Control.—Room 411, Federal Building. Telephone, 1251–M. M. R. MULHOLLAND, agent, in charge.

Cooperative control of white pine blister rust on important white-pine areas in the Rutland district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

St. Albans

Office, Division of Foreign Plant Quarantines.—P. O. Box 110, 209 Federal Building. Telephone, 650. D. E. GOWER, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines.

St. Johnsbury

District office of Montpelier, Vt., suboffice, Division of Plant Disease Control.—Room 5, Post Office Building. E. H. PALMER, agent, in charge.

Cooperative control of white-pine blister rust on important white-pine areas in the St. Johnsbury district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

VIRGINIA

Arlington

Laboratory, Division of Cereal and Forage Insect Investigations.—Arlington Experimental Farm. Telephone, Republic 4142. extension 8577. F. W. POOS, senior entomologist, in charge.

Study of transmission of Stewart's disease of corn and disease-like injury caused by the insects affecting cereal and forage crops. The corn ear worm, wheat jointworms, and leafhoppers on peanuts are under investigation.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture, State universities, and State experiment stations.

Blacksburg

Office, Division of Plant Disease Control.—311 Agricultural Hall, Virginia Polytechnic Institute. P. O. Box 127. Telephone, 2482. GALLAIS E. MATHENY, associate pathologist, in charge.

Field direction and general supervision of cooperative program in Virginia to locate and destroy the native barberry, which spreads black stem rust to small-grain crops.

In cooperation with the Virginia Polytechnic Institute, State department of agriculture, and independent agricultural agencies.

Charlottesville

Laboratory, Division of Fruit Insect Investigations.—Rio Road, 2 miles from Courthouse, north. Telephone, 1345–L. G. J. HAEUSSLER, entomologist, in charge.

Studies of biology and control of Comstock's mealybug on apple, with special reference to biological control.

Harrisonburg

Suboffice of Richmond, Va., office, Division of Plant Disease Control.—Room 204 Post Office Building. Telephone, 1085. J. G. LUCE, JR., agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in Virginia by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State forester and the State entomologist.

Newport News

Suboffice of Norfolk, Va., office, Division of Foreign Plant Quarantines.—Room 26. Post Office and Customhouse. Telephone, 2457. J. N. SMITH, junior plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Norfolk

Office, Division of Foreign Plant Quarantines.—Room 217, United States Post Office and Courthouse. Telephone, 4–4244. G. GAY, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Suboffice of Baltimore, Md., office, Division of Japanese Beetle Control.—Room 217, United States Post Office and Courthouse. Telephone, 4–4244. D. A. Raine, collaborator, in charge.

Enforcement of the Japanese beetle quarantine in the counties of Elizabeth City, Nansemond, Norfolk, Princess Anne, and Warwick, including inspection and certification service, and supervision of nursery and greenhouse scouting.

In cooperation with the State department of agriculture and immigration.

Laboratory, Division of Truck Crop and Garden Insect Investigations.—Virginia Truck Experiment Station. P. O. Box 267. Telephone, Juniper 28–F–2. L. W. BRANNON, assistant entomologist, in charge.

Investigations of bean insects.

In cooperation with the Virginia Truck Experiment Station.

Onancock

Sublaboratory of Toledo, Ohio, laboratory, Division of Cereal and Forage Insect Investigations.—77 Market Street, Onancock, Va. Mail: Box 133, Onley, Va. Telephone, Onancock 25–J. DETTMAR W. JONES, entomologist, in charge.

Investigations on the European corn borer.

In cooperation with the Virginia State Experiment Station and the Virginia Truck Experiment Station.

Richmond

Office, Division of Japanese Beetle Control.—17 North Boulevard. Telephone, 5–6865. EARL A. MCKNIGHT, agent, in charge.

Enforcement of the Japanese beetle quarantine in Virginia and the District of Columbia, including supervision of inspection and certification, and nursery and greenhouse scouting; inspection and certification for European corn borer.

In cooperation with the State department of agriculture and immigration.

Office, Division of Plant Disease Control.—Room 803, Grace-American Building, Fourth and Grace Streets. Telephone, Richmond 3–4594. R. G. PIERCE, pathologist, in charge.

Field direction and general supervision of cooperative program to establish and maintain control of the white-pine blister rust disease in important white-pine areas in the Southern Appalachian States by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and the National Park Service, the States of Delaware, Georgia, Kentucky, Maryland, North Carolina, South Carolina, Tennessee, Virginia, and West Virginia.

Laboratory, Division of Truck Crop and Garden Insect Investigations.—17 North Boulevard. P. O. Box 5271. Telephone, 5–6865. W. D. REED, associate entomologist, in charge.

Investigations of insect pests of stored and manufactured tobacco.

WASHINGTON

Blaine

Office, Division of Foreign Plant Quarantines.—Room 206, Customs Station, Pacific Highway. Drawer "O." Telephone, 13. J. W. STANTON, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Puyallup

Laboratory, Division of Truck Crop and Garden Insect Investigations.—2102 Meridian Street, South. P. O. Box 30. Telephone, 484. BIRELY J. LANDIS, associate entomologist, in charge.

Investigations of the European earwig and berry insects, including the red berry mite and the raspberry fruit worm.

Seattle

Office, Division of Foreign Plant Quarantines.—Room 422, Federal Office Building. Telephone, Seneca 3100, extension 406. L. M. SCOTT, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Spokane

Office, Division of Fruit Insect Investigations.—805 Realty Building. Telephone, Main 1774. JAMES F. COOPER, entomologist, in charge.

Eradication of the pear psylla in the Pacific Northwest.

In cooperation with State departments of agriculture, experiment stations, and extension services of Washington and Idaho.

Office, Division of Plant Disease Control.—Room 618 Realty Building. Telephone, Main 1381. H. E. SWANSON, senior pathologist, in charge.

Field direction and general supervision of cooperative program to establish and maintain control of the white pine blister rust disease in important white pine areas in the western white pine region of Washington, Idaho, and Montana, also in the Rocky Mountain region of Wyoming and Colorado, by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and National Park Service, the States of Colorado, Idaho, Montana, Washington, and Wyoming, and the timber-protective associations, pine owners, and other local agencies.

Sumner

Laboratory, Division of Truck Crop and Garden Insect Investigations.—Grounds of Pierce County Farm, 1½ miles from the center of Sumner. P. O. Box 458. C. F. DOUCETTE, associate entomologist, in charge.

Investigations of the bulb insects and the vectors of narcissus mosaic.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture.

Walla Walla

Laboratory, Division of Truck Crop and Garden Insect Investigations.—Three miles west of Walla Walla on Wallula Road. P. O. Box 616. Telephone, 1050. M. C. LANE, entomologist, in charge.

Investigations of wireworms on irrigated land.

In cooperation with the Washington Agricultural Experiment Station and the Bureau of Plant Industry (at Prosser, Wash.).

Yakima

Laboratory, Division of Fruit Insect Investigations.—301 North Second Street. P. O. Box 1291. Telephone, 6444. E. J. NEWCOMER, senior entomologist, in charge.

Investigation on apple insects; testing of insecticides for codling moth control in relation to the residue problem; studies of bait materials and of bait traps, and banding.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture, and State agricultural experiment station.

Laboratory, Division of Insecticide Investigations.—301 North Second Street. P. O. Box 1291. Telephone, 6444. C. C. CASSIL, associate chemist, in charge.

Determination of residues from sprays containing lead, arsenic, fluorine, and other insecticidal elements; spray-residue removal by chemical means; field studies of new insecticides. General chemical assistance to cooperating entomologists.

In cooperation with Bureau of Plant Industry, United States Department of Agriculture.

WEST VIRGINIA

Clarksburg

Suboffice of Baltimore, Md., office, Division of Japanese Beetle Control.—County Agent's Office, Courthouse Building. Telephone, Clarksburg 4140, extension 26. M. B. WOODSON, agent, in charge.

Enforcement of the Japanese beetle quarantine in West Virginia, including supervision of inspection and certification, and nursery and greenhouse scouting. Corn borer inspection service is also maintained in this area.

In cooperation with the State department of agriculture.

Kearneysville

Laboratory, Division of Fruit Insect Investigations.—West Virginia University Experiment Farm. Telephone, Sheperdstown 138–14. G. H. GEISSLER, assistant entomologist, in charge.

Codling moth investigations.

In cooperation with the West Virginia Agricultural Experiment Station.

Marlinton

Suboffice of Richmond, Va., office, Division of Plant Disease Control.—County Courthouse. Telephone, 138. J. M. ASHCROFT, agent, in charge.

State leadership in cooperative control of white-pine blister rust on important white-pine areas in West Virginia by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State conservation commission and the State department of agriculture.

Morgantown

Office, Division of Plant Disease Control.—251 Stewart Street. P. O. Box 756. Telephone, 3914. W. M. WATSON, assistant pathologist, in charge.

Field direction and general supervision of cooperative program to locate and destroy the common and native barberry, which spreads black-stem rust to small-grain crops in West Virginia.

In cooperation with the College of Agriculture, University of West Virginia, State department of agriculture, and independent agricultural agencies.

WISCONSIN

Madison

Laboratory, Division of Bee Culture.—King Hall, University of Wisconsin. Telephone, Badger 580, branch 214. C. L. FARRAR, apiculturist, in charge.

Investigations on methods of honey production in North Central States; testing strains of honeybees.

In cooperation with College of Agriculture, University of Wisconsin, and Wisconsin Agricultural Experiment Station.

Laboratory, Division of Bee Culture.—University of Wisconsin. Telephone, Badger 580. L. J. COLE, Genetics Building, and H. F. WILSON, Old Soils Building, collaborators, in charge.

Investigations on the resistance of honeybees to American foulbrood, with particular reference to breeding and genetics.

In cooperation with the Wisconsin Agricultural Experiment Station.

Laboratory, Division of Cereal and Forage Insect Investigations.—5 King Hall, University of Wisconsin. Telephone, Badger 580, extension 277. T. R. CHAMBERLIN, associate entomologist, in charge.

Life history and ecology of white grubs.

In cooperation with the Wisconsin Agricultural Experiment Station.

Office, Division of Plant Disease Control.—Room 10, Post Office Building. Telephone, Fairchild 5450. TOM VAN ZANDEN, agent, in charge.

Field direction and general supervision of cooperative program in Wisconsin to locate and destroy the common barberry which spreads black-stem rust to small-grain crops.

In cooperation with the college of agriculture, University of Wisconsin, the State department of agriculture and markets, and independent agricultural agencies.

Suboffice of Milwaukee, Wis., office, Division of Plant Disease Control.—Room 9 West, State Capitol. Telephone, Badger 5100, extension 93. T. F. KOUBA, associate pathologist, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Wisconsin by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and Indian Service, the State department of agriculture, and the State conservation department.

Laboratory, Division of Truck Crop and Garden Insect Investigations.—424 University Farm Place. Telephone, Badger 580, extension 181. J. E. DUDLEY, JR., entomologist, in charge.

Investigations of the pea aphid.

In cooperation with the college of agriculture, University of Wisconsin.

Menomonie

District office of Madison, Wis., suboffice, Division of Plant Disease Control.—Federal Building. ELWOOD W. CLEASBY, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Menomonie district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Milwaukee

Laboratory, Division of Forest Insect Investigations.—Room 7138, Plankinton Arcade. Telephone, Marquette 3088, extension 30. HARVEY J. MACALONEY, entomologist, in charge.

Investigations of spruce budworm, hemlock borer, locust borer, jack-pine sawfly, forest tent caterpillar, and white grubs.

In cooperation with National Forest Service, University of Michigan, and University of Minnesota.

Office, Division of Plant Disease Control.—United States Appraisers Stores Building. P. O. Box 474. Telephone, Broadway 8600, extension 293. H. N. PUTNAM, senior pathologist, in charge.

Field direction and general supervision of cooperative program to establish and maintain control of the white-pine blister rust disease in important white-pine areas in the Lake and Central States by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and the Indian Service, and the States of Iowa, Michigan, Minnesota, Ohio, Illinois, Indiana, and Wisconsin.

Stevens Point

District office of Madison, Wis., suboffice, Division of Plant Disease Control.—424 Church Street. Telephone, 283. RAY WEBER, assistant pathologist, in charge.

Cooperative control of white-pine blister rust on important white-pine areas in the Stevens Point district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

WYOMING

Laramie

Laboratory, Division of Bee Culture.—Engineering Building, University of Wyoming. Mailing address: Engineering Shops, University of Wyoming. Telephone, 2131, extension 44. A. P. STURTEVANT, apiculturist, in charge.

Research on intermountain methods of beekeeping, including principles of wintering, spread of American foulbrood in commercial apiaries, development of colonies, studies on the abnormal supersedure of queens, and resistance of honeybees to American foulbrood.

In cooperation with the University of Wyoming.

Laboratory, Division of Bee Culture.—University of Wyoming. C. H. GILBERT, collaborator, in charge.

Investigations on the resistance of honeybees to American foulbrood, with particular reference to the habits of various strains of honeybees as affecting disease tolerance and susceptibility.

In cooperation with the Wyoming Agricultural Experiment Station.

INDEX OF PERSONNEL

INDEX OF LABORATORIES AND OFFICES MAINTAINED BY THE VARIOUS DIVISIONS OF THE BUREAU